VOLUME XLI WHOLE NOS. 335-341

THE JOHNS HOPKINS UNIVERSITY CIRCULAR

1922

BALTIMORE
THE JOHNS HOPKINS PRESS
1922

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New Series, 1922
No 1

Whole Number 335

THE

JOHNS HOPKINS

UNIVERSITY CIRCULAR

UNIVERSITY REGISTER

1921-1922

BALTIMORE, MARYLAND
PUBLISHED BY THE UNIVERSITY
ISSUED JANUARY, MARCH, APRIL, JUNE, JULY, OCTOBER, NOVEMBER

JANUARY, 1922

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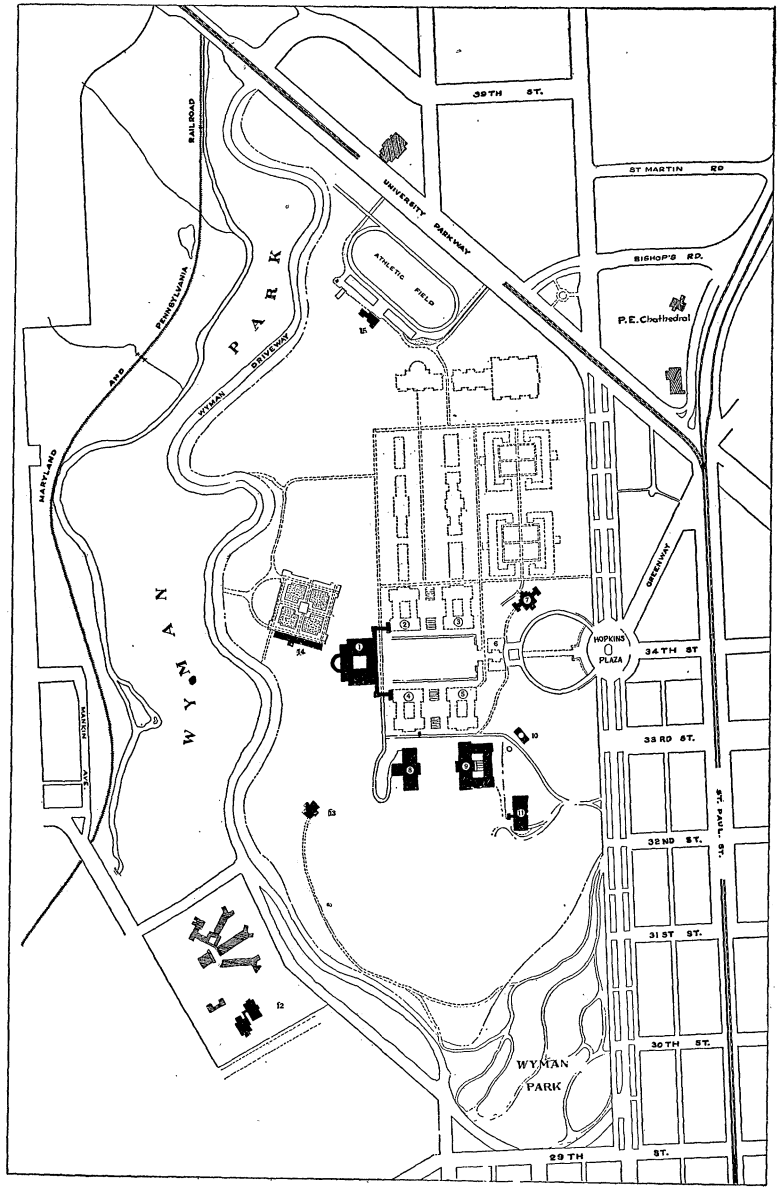
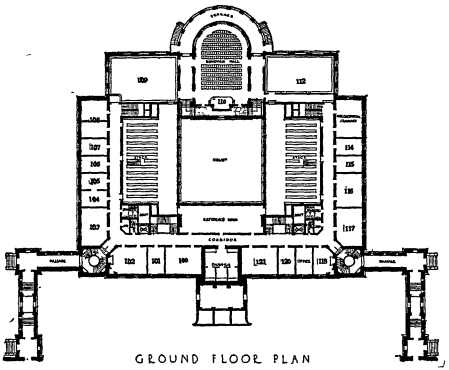
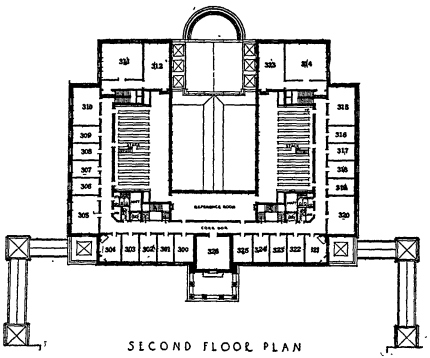


PLAN OF HOPKINS GROUNDS AT HOMEWOOD

1. Gilman Hall. 7. Hopkins Club. 8. Civil Engineering Building. 9. Mechanical and Electrical Building. 10. Students' Building. 11. Power House. 14. Botany and Plant Physiology.



GROUND FLOOR PLAN



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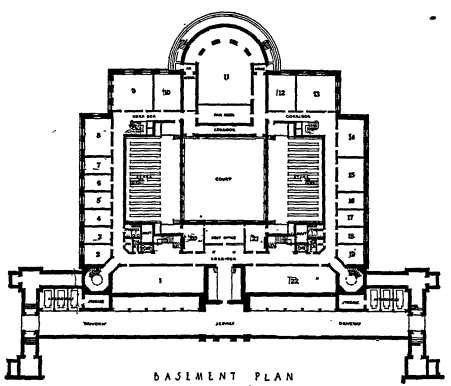
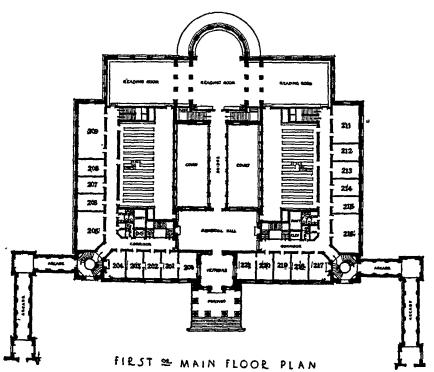


BASEMENT PLAN



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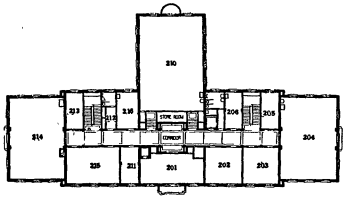
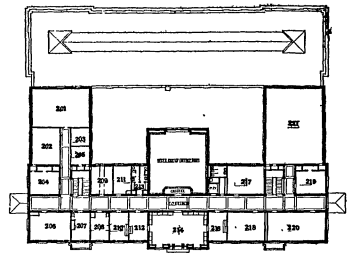
GILMAN HALL





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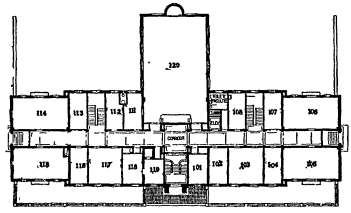

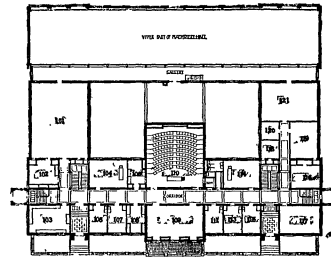

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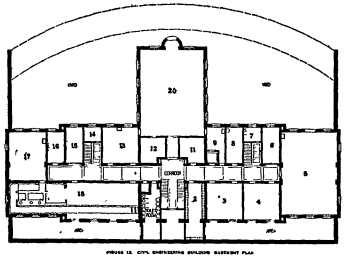
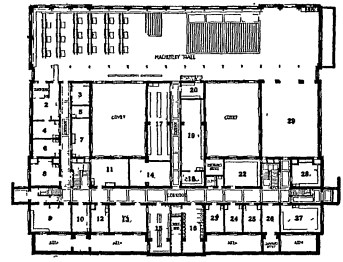
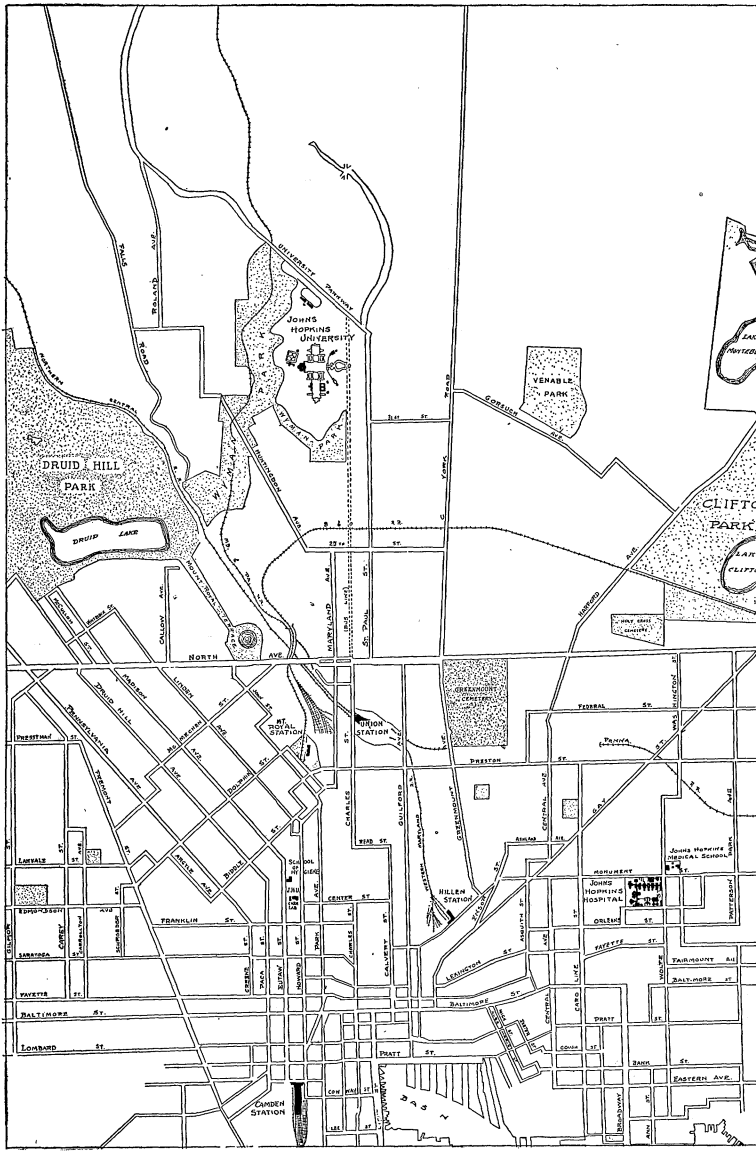


CIVIL ENGINEERING
BUILDING



BASEMENT PLAN

MECHANICAL-ELECTRICAL
BUILDING



LOCATION OF HOPKINS BUILDINGS AND STREETS WITH CAR LINES

UNIVERSITY REGISTER

1921-1922

WITH ANNOUNCEMENTS FOR

1922-1923

BALTIMORE
THE JOHNS HOPKINS PRESS
1922

CALENDAR, 1922-23

1922.

January 30-February 3, Monday-Friday—Undergraduate Examinations.
February 22, Wednesday—Commemoration Day. Public exercises at 11 a. m.; all classes suspended.
April 13-19, Thursday-Wednesday—Easter Recess.
May 30, Tuesday—Undergraduate Examinations begin [close June 6]
June 13, Tuesday—Conferring of Degrees (4 p. m.)
July 5, Wednesday—Summer Session opens.
August 12, Saturday—Summer Session closes.
September 18-21, Monday-Thursday—Entrance Examinations.
September 22, Friday—Competitive Examinations for Scholarships.
October 3, Tuesday—Instruction begins.
October 9, Monday—Evening Courses for Technical Workers begin.
October 9, Monday—College Courses for Teachers begin.
October 16, Monday—Evening Courses in Business Economics begin.
November 30, Thursday—Thanksgiving Day. All classes suspended.
December 23, Saturday—Christmas recess begins (morning).
December 25, Monday—Christmas Day.

1923.

January 2, Tuesday—Instruction resumed.
January 29-February 2, Monday-Friday—Undergraduate Examinations.
February 22, Thursday—Commemoration Day. Public exercises at 11 a. m.; all classes suspended.
March 29, Thursday—Easter Recess begins (morning).
April 5, Thursday—Instruction resumed.
April 27, Friday—Business Economics Courses close.
May 18, Friday—Night Courses for Technical Workers close.
June 2, Saturday—College Courses for Teachers close.
May 29, Tuesday—Undergraduate Examinations begin [close June 5]
June 12, Tuesday—Conferring of Degrees (4 p. m.).
July 2, Monday—Summer Session opens.
August 10, Friday—Summer Session closes.
September 17-20, Monday-Thursday—Entrance Examinations.
September 21, Friday—Competitive Examinations for Scholarships.
October 2, Tuesday—Instruction begins.

ENTRANCE EXAMINATIONS, 1922

Monday, September 18

9 a. m.–12 m.—Algebra
12 m.–1.30 p. m.—Solid Geometry
2–4 p. m.—English 1
4–6 p. m.—English 2

Tuesday, September 19

9–11 a. m.—Plane Geometry
11.30 a. m.–1 p. m.—Plane Trigonometry
2–6 p. m.—History

Wednesday, September 20

9–11 a. m.—Latin
11.30 a. m.–1 p. m.—Science.
2–4 p. m.—Latin

Thursday, September 21

9–11 a. m.—Greek, German, Spanish
11.30 a. m.–1 p. m.—Science
2–4 p. m.—Greek, French, Spanish

THE

JOHNS HOPKINS

UNIVERSITY CIRCULAR

New Series, 1922, No. 1. JANUARY, 1922 Whole Number, 335

HISTORICAL STATEMENT

The Johns Hopkins University was founded by a merchant of Baltimore, Johns Hopkins (1795-1873), who bequeathed the greater part of his estate for the establishment of a university and a hospital. The University was incorporated August 24, 1867, the certificate of incorporation reading as follows:

CERTIFICATE OF INCORPORATION

Know all men by these presents, that we, Thomas M. Smith, William Hopkins, Lewis N. Hopkins, John W. Garrett, Alan P. Smith, John Fonerden, George W. Dobbin, George M. Gill, Andrew Sterett Ridgely, Thomas Donaldson, James A. L. McClure and Charles J. M. Gwinn, being citizens of the United States of America, and of the State of Maryland, and being desirous to form a corporation for the purpose of organizing a "University" for the promotion of education in the State of Maryland, do hereby declare and certify that we do, by this statement of writing, and by virtue of and under the provisions of an Act of the General Assembly of Maryland, passed at the January session thereof in the year eighteen hundred and sixty-seven, and being the Act of eighteen hundred and sixty-seven, chapter three hundred and seventy-nine, form a corporation, under the name of "The Johns Hopkins University," for the promotion of education in the State of Maryland, which shall be governed and controlled by twelve Trustees, who shall manage the concerns thereof, and which said twelve Trustees shall be Francis T. King, Lewis N. Hopkins, Thomas M. Smith, William Hopkins, John Fonerden,* John W. Garrett, Francis White,

* On the death of John Fonerden, James Carey Thomas was elected to fill the vacancy.

Charles J. M. Gwinn, Galloway Cheston, George W. Dobbin, Reverdy Johnson, junior, and George William Brown, and which said University shall be located in Baltimore County, in the State of Maryland.

Witness our hands and seals, set hereto on this twenty-fourth day of August, in the year eighteen hundred and sixty-seven.

THOMAS M. SMITH,	(Seal)
WILLIAM HOPKINS,	(Seal)
LEWIS N. HOPKINS,	(Seal)
JOHN W. GARRETT,	(Seal)
ALAN P. SMITH,	(Seal)
JOHN FONERDEN,	(Seal)
GEORGE W. DOBBIN,	(Seal)
GEORGE M. GILL,	(Seal)
ANDREW STERETT RIDGELY,	(Seal)
THOMAS DONALDSON,	(Seal)
JAMES A. L. MCCLURE,	(Seal)
CHARLES J. M. GWINN,	(Seal)

Witness: ALLEN E. FORRESTER.

The following amendments to the charter have been enacted by the State Legislature:

I

AN ACT to grant certain additional powers to "The Johns Hopkins University," a corporation incorporated under the General Laws of Maryland.

Section 1. Be it enacted by the General Assembly of Maryland, That "The Johns Hopkins University," a corporation duly incorporated by certificate recorded in the office of the Clerk of the Circuit Court for Baltimore County, shall have power to establish branches of the said University in the City of Baltimore, to hold, or to purchase and hold, all property in said City needed for the successful conducting of the branches of the said University in said City, and to keep and maintain a principal office in said City for the conduct of the business of the said University.

Section 2. And be it enacted, That the said "The Johns Hopkins University" shall have power to admit students of the said University, who shall merit the distinction, to the office and profession of Surgeon, or to the degree of Doctor of Medicine, or of Doctor of Laws, or of Bachelor or Master of Arts; to grant to students in said University such certificates of proficiency and attainments in any special study as the said University may see proper to confer; and to grant the honorary degrees of Doctor of Laws, Doctor of Medicine, and Master of Arts, or such other degrees as may be proper, to any person who may merit such distinction, whether such person be a student of said University or not.

Section 3. And be it enacted, That this Act shall take effect from its passage.

Approved March 22, 1876.

II

AN ACT to authorize the Trustees of the Johns Hopkins University, a corporation incorporated under the General Laws of Maryland, to make and constitute the President for the time being of the University and each of his successors in said office, during their respective terms thereof, a member ex-officio of the Board of Trustees of the Johns Hopkins University, in addition to the number of twelve Trustees of said University now authorized by law.

Section 1. Be it enacted by the General Assembly of Maryland, That the Trustees of the Johns Hopkins University, a corporation duly incorporated by certificate under the General Laws of Maryland, be and they are hereby authorized and empowered to make and constitute the President for the time being of the Johns Hopkins University and each of his successors in said office during their respective terms thereof, a member ex-officio of said Board of Trustees in addition to the number of twelve Trustees of said University now authorized by law.

Section 2. And be it enacted that this Act shall take effect from the date of its passage.

Approved April 4, 1892.

As stated in the foregoing certificate, the corporate name of the institution is "The Johns Hopkins University."

The Board of Trustees organized June 13, 1870, and held their first business meeting February 6, 1874. The founder died December 24, 1873, in the seventy-ninth year of his age—having been born May 19, 1795. The election of a President of the University took place December 30, 1874, the choice falling upon Daniel Coit Gilman, at that time President of the University of California. President Gilman was inaugurated February 22, 1876, and instruction began October 3, following. The Johns Hopkins Hospital was dedicated May 7, 1889, and this paved the way for the opening of the medical school of the University four years later (October 1, 1893).

President Gilman resigned his office February 22, 1901, after a service of twenty-five years, and he was succeeded by Dr. Ira Remsen, Professor of Chemistry in the University, whose election took place June 3, 1901. On the twenty-first and twenty-second of February, 1902, the University celebrated the completion of twenty-five years of work, and President Remsen was inaugurated.

On the 10th of April, 1912, Dr. Remsen offered his resignation of the office of President, and this was, with reluctance, accepted by the Board of Trustees. He consented, however, to discharge the duties of the office until his successor should be chosen; but it seemed to him best, in the middle of the following year, partly because of an ailment requiring a surgical operation, to request relief. The Trustees then appointed an Administrative Committee of the Faculty, to whom, for the time being, was entrusted the performance of the duties of the presidential office. The committee was composed of Professor William H. Welch, Chairman; Professors Joseph S. Ames, William B. Clark, Basil L. Gildersleeve, Edward H. Griffin, William H. Howell, and Westel W. Willoughby,—Dr. Griffin acting as Executive Secretary.

The third President of the University is Frank Johnson Goodnow, LL. D., who was elected by the Trustees February 23, 1914. Dr. Goodnow was a member of the Faculty of Columbia University from 1883 to 1914, and spent the year 1913-14 in China as constitutional adviser to the Chinese Government. He assumed his official duties as President October 1, 1914.

The work of the University began in two houses at the corner of Howard and Little Ross streets, in Hopkins Hall, and in a chemical laboratory on Little Ross street—the last two buildings having been erected by the Trustees. As the need arose, other buildings were constructed—including a considerable addition to the chemical laboratory, a biological laboratory, a physical laboratory, a gymnasium, a home for the Young Men's Christian Association (the gift of Mr. Eugene Levering), and finally McCoy Hall, a large central building containing offices of administration, assembly room, the general library, and numerous smaller rooms for seminaries, department libraries, classes in languages, history, etc. These buildings, excepting the chemical laboratory, were vacated in the summer of 1916. A fire destroyed McCoy and Levering Halls and the gymnasium on the evening of November 27,

1919. The medical school is housed in another section of the city, adjacent to the Johns Hopkins Hospital, with which it is closely associated in accordance with the expressed wish of the founder.

The Hospital occupies a commanding site facing North Broadway. The buildings include a central structure chiefly devoted to administration, large private wards, a considerable number of separate buildings containing the public wards, a large dispensary building, a surgical building and amphitheatre, a pathological institute, and a nurses' home. The Harriet Lane Home for Invalid Children, the Phipps Psychiatric Clinic, the Phipps Dispensary for the Treatment of Tuberculosis, and the Brady Urological Clinic are important adjuncts of the Hospital and are situated within its grounds. A new pathological building and a building for the Women's Clinic will soon be begun.

In 1902 it was announced that a suburban site had been given to the University by Messrs. William Wyman, William Keyser, Francis M. Jencks, Julian LeRoy White, and William H. Buckler, of Baltimore, and Samuel Keyser, of New York. This site comprised originally one hundred and seventy-six acres of land within the city limits, about two miles directly north of the Washington Monument. Fifty-six acres have been deeded to the city for a public park. The hope was expressed by the donors that the sum of one million dollars would be contributed by the friends of the University within a certain time, to be added to the permanent endowment funds of the University. This hope was realized July 1, 1902. The development of the new site was begun and has continued as the necessary funds have been received. A general scheme of arrangement of the future buildings was adopted, as the result of a competition by selected architects. Laboratories for Botany and Plant Physiology and a greenhouse were first erected, and a fine athletic field was provided. A laboratory for mechanical and electrical engineering was completed and occupied in 1914 and a civil engineering building in 1916,

at which time also Gilman Hall was occupied. The latter had been completed a year earlier. The removal to the new site was accomplished during the summer of 1916, and instruction, excepting that in graduate Chemistry, is now given at "Homewood." Gilman Hall contains the general library and the non-laboratory departments, as well as the offices of administration. Plans for the physical and chemical laboratories are completed, and bids on the chemical laboratory have been invited and will be accepted when funds for its erection are available. Plans for the geological laboratory are progressing. Temporary quarters are provided for three of the laboratory subjects pending the erection of the respective buildings. Zoology and Botany (in part) are housed in the basement of Gilman Hall; Physics occupies a portion of two floors in the Mechanical and Electrical Building; and Geology is quartered in the Civil Engineering Building. The home of one of the original owners of the land, erected early in the last century, is occupied by the Johns Hopkins Club. Plans for the first unit in the dormitory system have been accepted, and building operations are expected to start in the near future.

The original endowment of the University amounted to somewhat over $3,000,000. This has been supplemented by a large number of gifts, including the Endowment Fund of 1902 ($1,000,000), the John W. McCoy Fund ($500,000), the Women's Medical School Fund ($100,000), the Mary Elizabeth Garrett Fund ($307,000), the Adoniram J. Robinson Fund ($42,000), the Herbert B. Adams Fund ($42,000), the Johnston Scholarship Fund ($90,000), the Caroline Donovan Fund ($100,000), the H. Willis Baxley Fund ($50,000), the Charles L. Marburg Fund ($50,000), the Herter Lectureship Fund ($25,000), the Beall Memorial Fund ($107,000), the George Huntington Williams Memorial Fund ($20,000), the John Black Fund ($173,000), the Mary King Carey Fund ($182,000), the W. H. Collins Vickers Fund ($85,000), the William H. Grafflin Fund ($275,000), the Mergenthaler Memorial Fund ($200,000), the William A. Marburg

Memorial Fund ($40,000), the Jessie Gillender bequest ($110,000), the Edward Revere Osler Fund ($32,000), the Edward Scott Linton Fund ($5,000), the Charles A. W. Vogeler Memorial Fund ($5,000), the De Lamar Fund ($2,777,772.45).

The Endowment and Extension Fund of 1910 was started in June, 1909, when the General Education Board offered to contribute to the University the sum of $250,000 towards the endowment, provided the institution should secure, on or before December 31, 1910, a supplemental sum of $750,000 in cash or pledges. Under the terms of this offer one-half of the million dollars thus acquired was to be added to the permanent endowment, the remainder to be used in the construction of buildings. A General Committee was organized in the summer of 1910, and, aided by an Alumni Committee, a Citizens' Committee, and a Ladies' Committee, secured by the end of the year pledges for $940,000, more than sufficient to meet the condition imposed by the General Education Board; of the total amount subscribed, $1,142,154.21 has so far been paid.

By Act of the Legislature of Maryland, at its session of 1912, the sum of $600,000 was appropriated for the purpose of constructing and equipping buildings for a school of technology as a department of the University, with an annual appropriation of $50,000 for maintenance. For this department there have been erected buildings for Civil, Mechanical and Electrical Engineering, and a power house from which are supplied heat, light, and power for all the University buildings at Homewood. Instruction began in October, 1913.

In July, 1914, the General Education Board deposited with the University securities valued at approximately $1,400,000, to establish the "William H. Welch Endowment for Clinical Education and Research." The purpose of this endowment is to aid in reorganizing clinical teaching in the departments of medicine, surgery, and pediatrics, so that the entire time of the teaching staff can be devoted to the work, precisely as in the departments teaching the underlying sciences. The

placing of these clinical departments upon the full University basis constitutes one of the most important advances in the teaching of clinical medicine, and is expected to have far-reaching effects. In 1917 the Board voted an additional $350,000,—the income from $100,000 to be used for the extension of the full-time work in Pediatrics, the income from $250,000 for enlarging and broadening the usefulness of the laboratory departments.

In June, 1916, the Rockefeller Foundation of New York notified the President of the University that the Foundation was prepared "to co-operate with the University in the establishment of a School of Hygiene and Public Health for the advancement of knowledge and the training of investigators, teachers, officials, and other workers in these fields." This offer was accepted by the University, and on June 12, 1916, the President of the University made the formal announcement that the Board of Trustees had authorized the establishment of a School of Hygiene and Public Health as part of the University. Instruction was begun October, 1918, in the former physical laboratory building on West Monument Street. As the work expanded the former biological laboratory building was occupied, as well as a private dwelling on Saint Paul Street.

The income-bearing funds have a book value of $10,929,196.09; the real estate and buildings, books, scientific apparatus, and general equipment are valued at $4,091,888.91. The assets of the University have thus a total value of more than $15,000,000.

The Legislature has granted an annual appropriation of $25,000 for general purposes for 1923 and for 1924, in addition to the sum of $50,000, already mentioned, for the Department of Engineering. In return the University offers 129 scholarships to Maryland students in the Department of Engineering and assists the teachers of Maryland who may attend the Summer Courses.

BOARD OF TRUSTEES

R. Brent Keyser, *President*
Eugene Levering
Theodore Marburg
Blanchard Randall
Henry D. Harlan, *Secretary*
Miles White, Jr.
B. Howell Griswold, Jr.
John Glenn, Jr.
Frederick W. Wood
Daniel Willard
Newton D. Baker
J. Hall Pleasants
The President of the University, *ex officio*

COMMITTEES

Executive Committee

Blanchard Randall
Miles White, Jr.
B. Howell Griswold, Jr.
John Glenn, Jr.
J. Hall Pleasants
The President of the University, *ex officio*

Finance Committee

Miles White, Jr.
Eugene Levering
Blanchard Randall
B. Howell Griswold, Jr.
John Glenn, Jr.

Building Committee

Frederick W. Wood
Theodore Marburg
Henry D. Harlan
John Glenn, Jr.
Daniel Willard

The President of the Board is *ex officio* a member of all committees.

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FACULTY*

FRANK JOHNSON GOODNOW, LL. D.

President of the University.

A. B., Amherst College, 1879, and A. M., 1887; LL. B., Columbia University, 1882; LL. D., Amherst College, 1897, Columbia University, 1904, Harvard University, 1909, Brown University, 1914, Princeton University, 1917; Professor of Administrative Law, Columbia University, 1887-1914.

[1914] † 6 W. Madison St.

IRA REMSEN, M. D., PH. D., LL. D., *President Emeritus of the University and B. N. Baker Professor Emeritus of Chemistry.*

A. B., College of the City of New York, 1865; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1867; Ph. D., University of Göttingen, 1870; LL. D., Columbia University, 1893, Princeton University, 1896, Yale University, 1901, University of Toronto, 1902, Harvard University, 1909, Pennsylvania College, 1910, University of Pittsburgh, 1915; D. C. L., University of the South, 1907; Professor of Chemistry in Williams College, 1872-76, and previously Assistant in Chemistry in the University of Tübingen; Foreign Member, Chemical Society of London; Honorary Member, Chemical Society of France; Secretary of the Academic Council, 1887-1901; Director of the Chemical Laboratory, 1876-1908; President of the National Academy of Sciences, 1907-13; Medalist of the Society of Chemical Industry, 1904, and President, 1909-10; Editor of the American Chemical Journal, 1879-1913; Professor of Chemistry, 1876-1913 (B. N. Baker Professor, 1904-1913); President of the University, 1901-1913.

[1876] California.

BASIL LANNEAU GILDERSLEEVE, PH. D., LL. D., LITT. D., *Honorary Francis White Professor of Greek.*

A. B., Princeton University, 1849, and A. M., 1852; Ph. D., University of Göttingen, 1853; LL. D., College of William and Mary, 1869, Harvard University, 1886, University of Chicago, 1901, Yale University, 1901, University of Pennsylvania, 1911; D. C. L., University of the South, 1884; L. H. D., Princeton University, 1899; Hon. Litt. D. (Cantab.), Hon. Litt. D. (Oxon.), 1905; Professor of Greek in the University of Virginia, 1856-76; Professor of Latin in the University of Virginia, 1861-66; Hon. Member of the Cambridge Philological Society, of the Philological Syllogos of Constantinople, of the Archæological Society of Athens, and of the Society for the Promotion of Hellenic Studies; Corresponding Fellow of the British Academy, 1907; Member of the American Academy of Arts and Letters; Professor of Greek, 1876-1915 (Francis White Professor, 1904-15).

[1876] 1002 N. Calvert St.

PAUL HAUPT, PH. D., LL. D., K. R. E., *W. W. Spence Professor of the Semitic Languages and Director of the Oriental Seminary.*

Gymnasium Augustum, Goerlitz; Ph. D., University of Leipzig, 1878; LL. D., University of Glasgow, 1902; Knight of the Royal Prussian Order of the Red Eagle, 1900; Privat-docent in the University of Göttingen, 1880-83, and Professor of Assyriology in the same, 1883-89; Honorary Curator of the Collection of Oriental Antiquities, United States National Museum, Washington, D. C., 1888-98; Honorary Curator of the Division of Historic Archaeology, United States National Museum, 1898-1905; Associate in Historic Archaeology, United States National Museum, 1905-; Associate of the Society of Oriental Research; Member of the Standing Committee of the International Congress of Orientalists; President of the Society of Biblical Literature and Exegesis, 1905-06; President of the American Oriental Society, 1913-14; President of the Johns Hopkins Philological Association, 1915-16; *Co editor of the Assyriological Library and of the Contributions to Assyriology and Comparative Semitic Philology; Editor of the Sacred Books of the Old Testament; Member of the Academic Council.*

[1883] 215 Longwood Rd., Roland Pk.

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* Arranged in the several groups in the order of their appointment.

† A date in brackets indicates year of appointment to present rank; a second date means year of first appointment, if differing from the former.

WILLIAM HENRY WELCH, M. D., LL. D., *Director and Head of the Department of Bacteriology and Immunology, School of Hygiene and Public Health.*

A. B., Yale University, 1870; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1875; M. D. (Hon.), University of Pennsylvania, 1894; LL. D., Western Reserve University, 1894, Yale University, 1896, Harvard University, 1900, University of Toronto, 1903, Columbia University, 1904, Jefferson Medical College, 1907, Princeton University, 1910, Washington University, 1915, and University of Chicago, 1916; Professor of Pathological Anatomy and General Pathology in the Bellevue Hospital Medical College, N. Y., 1879 84; Pathologist to the Johns Hopkins Hospital, and Baxley Professor of Pathology, 1884-1917; Dean of the Medical Faculty, 1889 98; President of the National Academy of Sciences, 1913 1917; President of the Board of Directors of the Rockefeller Institute for Medical Research; President of the American Association for the Advancement of Science, 1906; President of the American Medical Association, 1910 1911; Member of the American Philosophical Society; Hon. Fellow, Royal Sanitary Institute, London.

[1884] 807 St. Paul St.

EDWARD HERRICK GRIFFIN, D. D., LL. D., *Professor Emeritus of the History of Philosophy.*

A. B., Williams College, 1862, and A. M., 1865; Union Theological Seminary, N. Y., 1867; D. D., Amherst College, 1880; LL. D., Princeton University, 1888, and Williams College, 1905; Professor of Latin in Williams College, 1872-81, Professor of Rhetoric, 1881-86, and Mark Hopkins Professor of Intellectual and Moral Philosophy, 1886-89; Executive Secretary, Administrative Committee of the Faculty, January 1913-June 1914; Secretary of the Academic Council, 1901-1915; Professor of the History of Philosophy and Dean of the College Faculty, 1889-1915.

[1889] 827 Park Av.

HENRY MILLS HURD, M. D., LL. D., *Professor Emeritus of Psychiatry.*

A. B., University of Michigan, 1863, M. D., 1866, A. M., 1870, and LL. D. 1895; Professor of Psychiatry, Johns Hopkins University, 1889-1906; Superintendent of the Eastern Michigan Hospital, 1878-89; Superintendent of the Johns Hopkins Hospital, 1889-1911; Editor of the Johns Hopkins Hospital Bulletin and of the Johns Hopkins Hospital Reports, 1889-1911; *Editor Emeritus of the American Journal of Insanity; Secretary, Board of Trustees of the Johns Hopkins Hospital.*

[1889] 1023 St. Paul St.

HOWARD ATWOOD KELLY, M. D., LL. D., HON. F. R. C. S. (EDIN.), *Professor Emeritus of Gynecology.*

A. B., University of Pennsylvania, 1877, and M. D., 1882; LL. D., University of Aberdeen and Washington and Lee University, 1906, University of Pennsylvania, 1907; Associate Professor of Obstetrics, University of Pennsylvania, 1888-89; Professor of Gynecology, Johns Hopkins University, 1889-1919; Honorary Member, Royal Medical Society of Edinburgh; Associate Foreign Member, Society of Obstetrics, Gynecology and Pediatrics, and Chirurgical Society, Paris; Corresponding Member, Obstetrical Society, Leipzig; Fellow, British Gynecological Society; Hon. Fellow, Edinburgh Obstetrical Society, Glasgow Obstetrical and Gynecological Society, Royal Academy of Medicine (Ireland); Hon. Member, Italian Society of Obstetrics and Gynecology, Rome; Hon. Member, Peruvian Surgical Society, 1920; Commander, Order of Leopold II; Gynecologist in-Chief, Johns Hopkins Hospital, 1889 1919.

[1889] 1418 Eutaw Place

MAURICE BLOOMFIELD, PH. D., LL. D., L. H. D., *Professor of Sanskrit and Comparative Philology.*

A. M., Furman University, 1877; Fellow, Johns Hopkins University, 1878 79, and Ph. D., 1879; LL. D., Princeton University, 1896, Furman University, 1908;

L. H. D., University of Chicago, 1916; Foreign Member, Royal Bohemian Society in Prague, 1896; Honorary Member, Finno-Ugrian Society, Helsingfors, 1898; Member of the International Committee for Congresses on the History of Religions, 1912; Member of the National Institute of Social Sciences, 1914; Fellow of the American Academy of Arts and Sciences, 1914; Hardy Prize of the Royal Bavarian Academy of Sciences in Munich, 1908; President of the American Oriental Society, 1910-11; Associate Editor, *American Journal of Philology; Member of the Academic Council.*

[Absent on leave]

[1891; 1881]

WILLIAM STEWART HALSTED, M. D., SC. D., LL. D., HON. F. R. C. S., *Professor of Surgery.*

A. B., Yale University, 1874; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1877; LL. D., Yale University, 1904, and University of Edinburgh, 1905; Sc. D., Columbia University, 1904; Foreign Corresponding Member, Harveian Society, London; Honorary Fellow, Royal College of Surgeons, England, 1900, Edinburgh 1905, and College of Surgeons of America, 1913; Membre Corresp. Etranger de la Societé de Chirurgie, 1909; Membre titulaire de l'Association Française de Chirurgie, 1914; Ehrenmitglied der Deutschen Gesellschaft für Chirurgie, 1914; Hon. Member Societas Medicorum Sverana, Stockholm, 1918; Foreign Member, Royal Swedish Academy of Science, 1918; Honorary Foreign Member, Royal Academy of Medicine of Belgium, 1920; Member of the National Academy of Sciences; *Surgeon in Chief.*

[1892; 1889] 1201 Eutaw Place

HENRY WOOD, PH. D., LL. D., K. R. E., *Professor Emeritus of German.*

A. B., Haverford College, 1869; Ph. D., University of Leipzig, 1879; LL. D., Wake Forest College, 1914; President of the American Folk Lore Society, 1898; Knight of the Royal Prussian Order of the Red Eagle, 1910.

[1892; 1881] Cambridge, Mass.

JOHN JACOB ABEL, M. D., SC. D., LL. D., *Professor of Pharmacology.*

Ph. B., University of Michigan, 1883, A. M., (Hon.), 1903, and Sc. D., 1912; M. D., University of Strassburg, 1888; Sc. D., University of Pittsburgh, 1915; LL. D., University of Cambridge, 1920; Lecturer and Professor of Materia Medica and Therapeutics, University of Michigan, 1890-93; Hon. Member, Philadelphia College of Pharmacy; Corresponding Member, K. K. Gesellschaft der Aerzte, Vienna; Associate Member, Royal Society of the Medical and Natural Sciences of Brussels; Member of the National Academy of Sciences; *Editor of the Journal of Pharmacology and Experimental Therapeutics.*

[1893] Mt. Royal Apts.

WILLIAM HENRY HOWELL, PH. D., M. D., SC. D., LL. D., *Assistant Director and Professor of Physiology, School of Hygiene and Public Health.*

A. B., Johns Hopkins University, 1881, Fellow, 1882 84, and Ph. D., 1884; LL. D., Trinity College (Conn.), 1901; Sc. D., Yale University, 1911; M. D. (Hon.), University of Michigan, 1890, LL. D., 1912; LL. D., Washington University, 1915; Assistant, Associate, and Associate Professor of Biology, Johns Hopkins University, 1884 89; Lecturer and Professor of Physiology and Histology, University of Michigan, 1889 92; Associate Professor of Physiology, Harvard University, 1892 93; Member of the National Academy of Sciences and of the American Philosophical Society; Dean of the Medical Faculty, 1899 1911, and Professor of Physiology, Medical School, 1893 1920.

[1893; 1884] 232 W. Lanvale St.

JAMES WILSON BRIGHT, PH. D., LL. D., LITT. D., *Caroline Donovan Professor of English Literature.*

A. B., Lafayette College, 1877; Fellow, Johns Hopkins University, 1880 82, and Ph. D., 1882; LL. D., Wake Forest College, 1907; Litt. D., Lafayette College,

1907; Hon. Secretary for America (South and West) of the Early English Text Society; *Member of the Advisory Board of Modern Philology, and of the Editorial Committee of the Modern Language Association of America; Editor in Chief, Modern Language Notes; Member of the Academic Council.*
[1893; 1882] 1007 St. Paul St.

HERBERT EVELETH GREENE, PH. D., *Collegiate Professor of English.*
A. B., Harvard University, 1881, A. M., 1884, and Ph. D., 1888; Professor of English in Wells College, 1891-93.
[1893] 1019 St. Paul St.

LORRAIN SHERMAN HULBURT, PH. D., *Collegiate Professor of Mathematics.*
A. B., University of Wisconsin, 1883, and A. M., 1888; Professor of Mathematics, University of South Dakota, 1887-91; Fellow, Clark University, 1891-92; Ph. D., Johns Hopkins University, 1894.
[1897; 1892] Homewood Apts.

JOSEPH SWEETMAN AMES, PH. D., LL. D., *Professor of Physics and Director of the Physical Laboratory.*
A. B., Johns Hopkins University, 1886, Fellow, 1887 88, and Ph. D., 1890; LL. D., Washington College, 1907; Harris Lecturer, Northwestern University, 1913; Honorary Member of the Royal Institution of Great Britain; Member of the French Physical Society; Member of the National Academy of Sciences; Fellow of the American Academy of Arts and Sciences; President, American Physical Society; Member, National Advisory Committee for Aeronautics; *Collaborating Editor of the Astrophysical Journal; Associate Editor, Journal of the Franklin Institute; Secretary of the Academic Council.*
[1898; 1890] Charlcote Place, Guilford

JOHN WHITRIDGE WILLIAMS, M. D., SC. D., LL. D., *Professor of Obstetrics and Dean of the Medical Faculty.*
A. B., Johns Hopkins University, 1886; M. D., University of Maryland, 1888, and Sc. D. (Hon.), 1907; Sc. D., Trinity College, Dublin, 1912; LL. D., University of Pittsburgh, 1915; Associate in Obstetrics, Johns Hopkins University, 1893-96, and Associate Professor, 1896 99; *Obstetrician in-Chief.*
[1899; 1893] 107 E. Chase St.

FRANK MORLEY, SC. D., *Professor of Mathematics.*
A. B., University of Cambridge, 1883, A. M., 1886, and Sc. D., 1898; Professor in Haverford College, 1888 1900; *Co Editor of the Bulletin of the American Mathematical Society; Editor of the American Journal of Mathematics; Member of the Academic Council.*
[1900] 2026 Park Av.

WILLIAM JULIAN ALBERT BLISS, PH. D., *Collegiate Professor of Physics.*
A. B., Harvard University, 1888; Ph. D., Johns Hopkins University, 1894.
[1901; 1890] 1026 N. Calvert St.

HARRY FIELDING REID, PH. D., *Professor of Dynamic Geology and Geography.*
A. B., Johns Hopkins University, 1880, Fellow, 1882, and Ph. D. 1885; Professor of Mathematics, 1886 89, and of Physics, 1889 94, Case School of Applied Science; Associate Professor of Physical Geology, University of Chicago, 1895 97; Member of the National Academy of Sciences; Member, National Council of Research.
[1901; 1896] 608 Cathedral St.

ROBERT WILLIAMS WOOD, A. B., LL. D., F. R. S., *Professor of Experimental Physics.*

A. B., Harvard University, 1891; LL. D., Clark University, 1909, University of Birmingham, 1913, University of Edinburgh, 1921; Foreign Member, Royal Society of London; Foreign Associate, Accademia dei Lincei, Rome; Honorary Fellow of the Royal Microscopical Society, London; Corresponding Member, British Association; Corresponding Member, Königlichen Gesellschaft der Wissenschaften, Göttingen; Honorary Member, Optical Society, London; Rumford Medalist, American Academy of Arts and Sciences; Gold Medal for Physics in 1918, Societa Italiana della Scienze (dei XL), Rome; Member, National Academy of Sciences; Member, American Philosophical Society; Fellow, American Academy of Arts and Sciences; Instructor and Assistant Professor of Physics, University of Wisconsin, 1897 1901. 1011 St. Paul St.
[1901]

JACOB H. HOLLANDER, PH. D., *Professor of Political Economy.*

A. B., Johns Hopkins University, 1891, Fellow, 1893 94, and Ph. D., 1894; Treasurer of the Island of Porto Rico, 1900 01; Special Commissioner Plenipotentiary to Santo Domingo, 1905 06; Financial Adviser of the Dominican Republic, 1908 10; *Member of the Academic Council.* 1802 Eutaw Place
[1904; 1894]

EDWARD BENNETT MATHEWS, PH. D., *Professor of Mineralogy and Petrography.*

A. B., Colby University, 1891; Fellow, Johns Hopkins University, 1893-94, and Ph. D., 1894; *Executive Officer and Member of the Maryland State Forestry Commission; Director of the Maryland State Weather Service; State Geologist of Maryland; Member of the Academic Council.* Lombardy Apts.
[1904; 1894]

LEWELLYS FRANKLIN BARKER, M. D., LL. D., *Professor Emeritus of Medicine.*

M. B., University of Toronto, 1890, and M. D. (Hon.), 1905; LL. D., Queen's University, 1908, and McGill University, 1911; Assistant Physician, Assistant Resident Pathologist, Resident Pathologist, and Physician-in-Chief, the Johns Hopkins Hospital, 1891-1900, 1905-1914; Fellow in Pathology, the Johns Hopkins University, 1892-94, Associate in Anatomy, 1894-97, Associate Professor of Anatomy, 1897-99, Associate Professor of Pathology, 1899-1900, and Professor of Medicine, 1905-1914; Professor and Head of the Department of Anatomy, University of Chicago, 1900-1904, and Professor of Medicine, Rush Medical College, 1904-05; *Visiting Physician.*
[1905; 1894] 208 Stratford Rd., Guilford

WILLIAM SYDNEY THAYER, M. D., LL. D., HON. F. R. C. P. I., *Professor Emeritus of Medicine.*

A. B., Harvard University, 1885; M. D., 1889; LL. D., Washington College, 1907; Honorary Fellow, Royal College of Physicians of Ireland, 1912; Membre associé étranger de l'Académie de medicine, Paris, 1918; Membre correspondant étranger, *honoris causa,* de la Société des hôpitaux de Paris, 1918; Fellow of the Royal Society of Medicine, London, 1909; Honorary member of the Therapeutical Society of Moscow, 1897; Corresponding member of the Gesellschaft für innere Medizin und Kinderheilkunde in Wien; Honorary member of the Royal Society of Medicine of Budapest, 1909; Membre correspondant étranger de la Société medicale des hôpitaux, Lyon, 1914; Membre associé étranger Soc. Royale des sc. méd. et nat. de Bruxelles, 1919; Hon. Fellow, Royal Society of Medicine and Hygiene, 1921; Fellow of American Academy of Arts and Science, 1921; Brigadier General, A. M. C., 1918 19; Professor of Clinical Medicine, Johns Hopkins University, 1905 18, Professor of Medicine and Physician-in-Chief, Johns Hopkins Hospital, 1918 1921; *Visiting Physician.*
[1905; 1895] 1208 Eutaw Place

JOHN MARTIN VINCENT, PH. D., LL. D., *Professor of European History.*

A. B., Oberlin College, 1883, and A. M., 1888; Ph. D., Johns Hopkins University, 1890; LL D., Illinois College, 1904, and Oberlin College, 1908; Honorary *Docteur en Droit,* University of Geneva, 1909; Corresponding Member of the *Institut National Genevois* and of the Sociological Society of London; Foreign Member, Japanese Academy of Social Science, Tokyo.

[1905; 1892] 313 Forest Rd., Roland Pk.

WESTEL WOODBURY WILLOUGHBY, PH. D., *Professor of Political Science.*

A. B., Johns Hopkins University, 1888, Fellow, 1890-91, and Ph. D., 1891, President, American Political Science Association, 1913; *Managing Editor of the American Political Science Review; Member of the Academic Council.*

[1905; 1894] Carlton Apts.

DUNCAN STARR JOHNSON, PH. D., *Professor of Botany and Director of the Botanical Laboratory and the Botanical Garden.*

A. B., Wesleyan University, 1892; Fellow, Johns Hopkins University, 1896-97, Ph. D., 1897, and Bruce Fellow, 1897 98.

[1906; 1898] 23 Merrymount Rd., Roland Pk.

HERMANN COLLITZ, PH. D., L. H. D., *Professor of Germanic Philology.*

Gymnasium Johanneum, Lüneberg, 1875; Ph. D., University of Göttingen, 1879; L. H. D., University of Chicago, 1916; Assistant Librarian and Privatdocent, University of Halle, 1883-86; Associate Professor and Professor of Comparative Philology and German, Bryn Mawr College, 1886-1907; *Editor of Hesperia; Associate Editor, American Journal of Philology.* 1027 N. Calvert St.

[1907]

HERBERT SPENCER JENNINGS, PH. D., S. D., LL. D., *Henry Walters Professor of Zoölogy and Director of the Zoölogical Laboratory.*

S. B., University of Michigan, 1893; A. M., Harvard University, 1895, and Ph. D., 1896; LL. D., Clark University, 1909; S. D., University of Michigan, 1918; Assistant Professor, University of Michigan, 1900-03, and University of Pennsylvania, 1903-06; Honorary Fellow, Royal Microscopical Society of London; Member of the National Academy of Sciences; Fellow of the American Academy of Arts and Sciences; *Associate Editor of Genetics, of Journal of Experimental Zoölogy, and of Proceedings of the National Academy of Sciences; Member of the Academic Council.*

[1907] 505 Hawthorn Rd., Roland Pk.

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

A. B., University of Toronto, 1886, A. M., 1890, and Fellow, University College, 1886 89; Fellow, Johns Hopkins University, 1890-91, and Ph. D., 1891; D. Litt., University of Toronto, 1921; Professor of Latin in Colorado College, 1891-93; Instructor in Haverford College, 1893 94, and Professor of Latin, 1894-1907; Collegiate Professor of Latin, Johns Hopkins University, 1907-19; *Associate Editor, American Journal of Philology.*

[1907] 709 Park Av.

EDWARD FRANKLIN BUCHNER, PH. D., *Professor of Education; Director of the Summer Courses and the College Courses for Teachers.*

A. B., Leander Clark College, 1889, and A. M., 1892; Ph. D., Yale University, 1893, Lecturer and Instructor in Philosophy and Pedagogy, 1892 97; Professor of Analytical Psychology, New York University, 1896 1901; Docent, Clark University, 1901 03; Professor of Philosophy and Education, University of Alabama, 1903 08. *Editor, Johns Hopkins University Studies in Education.*

[1908] 2120 Callow Av.

ETHAN ALLEN ANDREWS, PH. D., *Professor of Zoölogy.*

Ph. B., Yale University, 1881; Fellow, Johns Hopkins University, 1884-86, and Ph. D., 1887. 2 E. Lake Av.

[1908; 1887]

WALTER JONES, PH. D., *Professor of Physiological Chemistry.*

A. B., Johns Hopkins University, 1888, and Ph. D., 1891; Professor of Natural Sciences, Wittenberg College, 1891-92; Professor of Analytical Chemistry, Purdue University, 1892-95; Member of the National Academy of Sciences.

[1908; 1896] 2621 St. Paul St.

ADOLF MEYER, M. D., LL. D., *Professor of Psychiatry.*

Zürich Gymnasium, 1885; M. D., University of Zürich, 1892; LL. D., University of Glasgow, 1901, and Clark University, 1909; Honorary Fellow and Docent in Neurology, University of Chicago, 1892 95; Pathologist and Director of Clinical Laboratory, Worcester (Mass.) Hospital for the Insane, and Docent in Psychiatry, Clark University, 1895-1902; Director of the Pathological (Psychiatric) Institute, New York State Hospitals, Ward's Island, 1902-10; Professor of Psycho Pathology, Cornell University, 1904 1909; *Psychiatrist in-Chief.*

[1908] 9 Rugby Rd., Guilford.

BURTON EDWARD LIVINGSTON, PH. D., *Professor of Plant Physiology and Director of the Laboratory of Plant Physiology.*

S. B., University of Michigan, 1898; Fellow, University of Chicago, 1899-1902, Ph. D., 1902, Assistant in Plant Physiology, 1902-04, and Associate, 1905; Collaborator, U. S. Bureau of Forestry, 1902; Research Fellow, New York Botanical Garden, 1903; Walker Prizeman, Boston Society of Natural History, 1904; Soil Expert, in charge of the Division of Fertility, U. S. Bureau of Soils, 1904-05; Staff Member, Department of Botanical Research, Carnegie Institution of Washington, 1906-09.

[1909] Cambridge Apts.

MCKENDREE LLEWELLYN RANEY, PH. D.. *Librarian.*

A. B., Centre College, 1897; Fellow, Johns Hopkins University, 1901 03, and Ph. D., 1904. 4117 Penhurst Av., W. Arlington

[1909; 1903]

ARTHUR ONCKEN LOVEJOY, A. M., *Professor of Philosophy.*

A. B., University of California, 1895; A. M., Harvard University, 1897; Assistant Professor and Associate Professor in Leland Stanford Junior University, 1899 1901; Professor of Philosophy in Washington University, 1901-08, and in the University of Missouri, 1908-10; President, American Association of University Professors, 1919; *Member of the Academic Council.*

[1910] 827 Park Av.

JOHN BOSWELL WHITEHEAD, PH. D., *Professor of Electrical Engineering and Dean of the Engineering Faculty.*

Proficient in Applied Electricity, Johns Hopkins University, 1893, A. B., 1898, and Ph. D., 1902; Fellow of the American Institute of Electrical Engineers.

[1910; 1898] 19 W. Cold Spring Lane, Guilford

CHARLES KEPHART SWARTZ, PH. D., *Collegiate Professor of Geology.*

A. B., Johns Hopkins University, 1888, Fellow, 1903 04, and Ph. D., 1904.

[1910; 1904] Windsor Mill Road and 17th St.

GEORGE ERNEST BARNETT, PH. D., *Professor of Statistics.*

A. B., Randolph Macon College, 1891; Fellow, Johns Hopkins University, 1899-1900, and Ph. D., 1901. 827 Park Av.

[1911; 1901]

JOHN MILLER TURPIN FINNEY, M. D., HON. F. R. C. S. I., *Professor of Clinical Surgery.*

A. B., Princeton University, 1884; M. D., Harvard University, 1888; Honorary Fellow, Royal College of Surgeons of Ireland; Surgeon to the Union Protestant Infirmary; Associate and Associate Professor of Surgery, Johns Hopkins University, 1893 1912; Associate in Surgery, the Johns Hopkins Hospital, 1891 1912, and Associate Surgeon, 1912 14; *Visiting Surgeon.*

[1911; 1893] 1300 Eutaw Place

WINFORD HENRY SMITH, M. D., SC. D., *Director of the Johns Hopkins Hospital.*

A. B., Bowdoin College, 1899; M. D., Johns Hopkins University, 1903; Sc. D., (Hon.), Bowdoin College, 1918; Resident Gynecologist, Lakeside Hospital, 1903-1905; Hospital Physician, N. Y. Dept. of Health, 1905 1906; Superintendent, Hartford Hospital, 1906 1909; General Medical Superintendent, Bellevue and Allied Hospitals, New York, 1909 1911.

[1911] The Johns Hopkins Hospital

DAVID MOORE ROBINSON, PH. D., LL. D., *W. H. Collins Vickers Professor of Archæology and Lecturer on Greek Literature.*

A. B., University of Chicago, 1898, Fellow in Greek, 1898 1901, and Ph. D., 1904; LL. D., Jamestown College (N. D.), 1915; Assistant Professor of Greek, Illinois College, 1904-05; American School of Classical Studies, Athens (Fellow, 1902 03, Acting Director and Professor of the Greek Language and Literature, 1909 10); Archæological Institute of America (Recorder, 1913, Vice President, 1914—, General Secretary, 1921—); President, College Art Association of America, 1919—; President, Classical Association of the Atlantic States, 1920; Johns Hopkins Philological Association (Secretary, 1915 20, Vice President, 1920 21, President, 1921 22); Associate Editor, *Classical Weekly;* Editor, *Art and Archaeology;* Editor in Chief, *The Art Bulletin;* Associate Editor, *American Journal of Philology;* Chairman, Advisory Council, American School of Classical Studies in Rome, 1920.

[1912; 1905] 106 Ridgewood Rd., Roland Pk.

JOHN HOWLAND, M. D., *Professor of Pediatrics.*

A. B., Yale University, 1894, and A. M. (Hon.), 1914; M. D., New York University, 1897, and Cornell University, 1899; House Officer, Presbyterian Hospital, N. Y., 1897-99, and N. Y. Foundling Hospital, 1899-1900; Pathologist and Assistant Attending Pediatrician, N. Y. Foundling Hospital, 1902-11; Pediatrician in charge of Children's Clinic, Bellevue Hospital, 1909-11; late Instructor and Associate in Pediatrics, Columbia University; Professor of Pediatrics, Washington University, St. Louis, 1911 12; Editor, *American Journal of Diseases of Children;* Member of Council of Pharmacy and Chemistry, A. M. A.; Consulting Pediatrician, City Hospital, Bay View; *Director of the Harriet Lane Home and Pediatrician in Chief.*

[1912] Oak Place and Charles St., Guilford

WARREN HARMON LEWIS, M. D., *Professor of Physiological Anatomy.*

S. B., University of Michigan, 1894, and Assistant in Zoölogy, 1895-96; M. D., Johns Hopkins University, 1900; Research Associate, Carnegie Institution of Washington.

[1913; 1900] 202 Hawthorn Rd., Roland Pk.

JOSEPH ELLIOTT GILPIN, PH. D., *Collegiate Professor of Chemistry.*

A. B., Johns Hopkins University, 1889, and Ph. D., 1892; *Secretary of the Board of Collegiate Studies.*

[1913; 1893] Stony Run Lane

JOHN HOLLADAY LATANÉ, PH. D., LL. D., *Professor of American History and Dean of the College Faculty.*

A. B., Johns Hopkins University, 1892, and Ph. D., 1895; LL. D., University of Alabama, 1913; Fellow, Royal Historical Society; Albert Shaw Lecturer, 1898; Professor of History and Economics, Randolph Macon Woman's College, 1898-1902; Professor of History, Washington and Lee University, 1902 1913; *Member of the Academic Council.*

[1913] Cecil Apts.

CHARLES WILLIAM EMIL MILLER, PH. D., *Professor of Greek.*

A. B., Johns Hopkins University, 1882, Fellow, 1883-85, and Ph. D., 1886; *Secretary of the Board of University Studies; Editor, American Journal of Philology.*

[1915; 1892] 3017 St. Paul St.

KNIGHT DUNLAP, PH. D., *Professor of Experimental Psychology.*

Ph. B., University of California, 1899, M. L., 1901, Le Conte Fellow, 1900-01, Assistant and Instructor, 1902-06; Walker Fellow, Harvard University, 1901-02, A. M., 1902, and Ph. D., 1903; *Editor of Psychobiology and of Psychology Classics.*

[1916; 1906] 500 W. Thirty-Third St.

JOSEPH CHRISTIE WHITNEY FRAZER, PH. D., *B. N. Baker Professor of Analytical Chemistry.*

S. B., Kentucky State College, 1897, and M. S., 1898; Fellow, Johns Hopkins University, 1900-01, and Ph. D., 1901; Foreign Member, Utrecht Society of Arts and Sciences; *Member of the Academic Council.*

[1916; 1901] 2611 N. Charles St.

E. EMMET REID, PH. D., LL. D., *Professor of Organic Chemistry.*

A. M., Richmond College, 1894; Fellow, Johns Hopkins University, 1897 98, Ph. D., 1898, Johnston Scholar, 1909-11; Professor of Chemistry, Charleston College, 1898-1901, and Baylor University, 1901-08; LL. D., Richmond College, 1917.

[1916; 1914] 203 E. 33d St.

WILLIAM GEORGE MACCALLUM, M. D., *Baxley Professor of Pathology.*

A. B., University of Toronto, 1894; M. D., Johns Hopkins University, 1897, Associate Professor of Pathology, 1900 08, and Professor of Pathological Physiology and Lecturer in Forensic Medicine, 1908 09; Visiting Pathologist, Presbyterian Hospital, and Professor of Pathology, Columbia University, 1908 17; *Pathologist in Chief.*

[1917; 1898] 615 St. Paul St.

FLORENCE RENA SABIN, M. D., SC. D., *Professor of Histology.*

S. B., Smith College, 1893, Assistant in Zoology, 1895 96, and Sc. D., 1910; M. D., Johns Hopkins University, 1900.

[1917; 1902] 1325 Park Av.

EDWARD WILBER BERRY, *Professor of Paleontology.*

[1917; 1906] 19 Elmwood Rd., Roland Pk.

ELMER VERNER MCCOLLUM, PH. D., SC. D., *Professor of Bio Chemistry, School of Hygiene and Public Health.*

A. B., University of Kansas, 1903, and A. M., 1904; Loomis Fellow, Yale University, 1905 1906, and Ph. D., 1906; Sc. D., University of Cincinnati, 1920; Instructor, Assistant Professor, Associate Professor and Professor of Agricultural Chemistry, University of Wisconsin, 1907 1917; Cutter Lecturer on Hygiene and Preventive Medicine, Harvard University, 1917-1918; Member of the National Academy of Sciences; Associate Member, Royal Academy of Medicine of Belgium; *Associate Editor, Journal of Biological Chemistry* and *Journal of Dental Research.*

[1917] Talbot Rd., Windsor Hills.

RAYMOND PEARL, PH. D., SC. D., LL. D., *Professor of Biometry and Vital Statistics, School of Hygiene and Public Health.*

A. B., Dartmouth College, 1899; Ph. D., University of Michigan, 1902; Sc. D., Dartmouth College, 1919; LL. D., University of Maine, 1919; Instructor in Zoölogy, University of Michigan, 1902-1906, and University of Pennsylvania, 1906-07; Biologist of the Maine Agricultural Experiment Station, 1907-17; Chief of the Statistical Division of the United States Food Administration, 1917-19; Member of the National Academy of Sciences and of the American Philosophical Society; Fellow of the American Academy of Arts and Sciences; Knight of the Crown of Italy; *Associate Editor of Genetics and of the Journal of Experimental Zoology; Chairman of the Editorial Board of the Proceedings of the National Academy of Sciences; Statistician of The Johns Hopkins Hospital.*

[1918] 401 Hawthorn Rd., Roland Pk.

SAMUEL OTTMAR MAST, PH. D., *Professor of Zoölogy.*

S. B., University of Michigan, 1899; Ph. D., Harvard University, 1906; Instructor and Professor of Biology, Hope College, Mich., 1899-1908; Johnston Scholar, Johns Hopkins University, 1907-08; Cartwright Prizeman, College of Physicians and Surgeons, Columbia University, 1909; Associate Professor of Biology and Professor of Botany, Goucher College, 1908-11.

[1919; 1911] 415 Woodlawn Rd., Roland Pk.

GILBERT CHINARD, L. ÈS L., *Professor of French.*

B. ès L., University of Poitiers, 1899; L. ès L., University of Bordeaux, 1902; Professor of French, University of California, 1912-19.

[1919] 1925 E. 31st St.

THOMAS STEPHEN CULLEN, M. B., *Professor of Clinical Gynecology.*

M. B., University of Toronto, 1890; Assistant Resident, Resident and Associate in Gynecology, the Johns Hopkins Hospital, 1892 1914; Instructor, Associate and Associate Professor of Gynecology, Johns Hopkins University, 1895-1919; *Visiting Gynecologist.* 20 E. Eager St.

[1919; 1895]

TENNEY FRANK, PH. D., *Professor of Latin.*

A. B., University of Kansas, 1898, and A. M., 1899; Fellow, University of Chicago, 1899-1901, Assistant and Associate, 1901-04, and Ph. D., 1903; Visiting Professor, American Academy in Rome, 1916 17; Associate and Professor of Latin, Bryn Mawr College, 1904-19; *Associate Editor, American Journal of Philology.* 110 Elmhurst Rd., Roland Pk.

[1919]

HENRY CARRINGTON LANCASTER, PH. D., *Professor of French Literature.*

A. B. and A. M., University of Virginia, 1903; Fellow, Johns Hopkins University, 1906-07, and Ph. D., 1907; A. M. (Hon.), Amherst College, 1912; Professor of Romance Languages, Amherst College, 1907 19; *Co Editor of Modern Language Notes and of the Publications of the Modern Language Association of America.*

[1919] 604 Edgevale Rd., Roland Pk.

LEWIS HILL WEED, M. D., *Professor of Anatomy.*

A. B., Yale University, 1908, and A. M., 1909; M. D., Johns Hopkins University, 1912, Instructor, Associate, and Associate Professor of Anatomy, 1914-19; in charge of the Laboratory of Surgical Research, Harvard University, 1912-13, and Cabot Fellow, 1913-14. Latrobe Apts.

[1919; 1914]

ALEXANDER GRAHAM CHRISTIE, M. E., *Professor of Mechanical Engineering.*

Diploma in Engineering, University of Toronto, 1901, and M. E., 1912; Instructor, Cornell University, 1904-05; Associate Professor of Steam and Gas Engineering, University of Wisconsin, 1909-14.

[1920; 1914] Homewood Apts.

JOHN HERBERT GREGORY, S. B., *Professor of Civil and Sanitary Engineering.*

S. B., Massachusetts Institute of Technology, 1895; Member, American Society of Civil Engineers; Member, American Public Health Association.

[1920; 1918] 3925 Canterbury Rd., Guilford

ENOCH BARTON GAREY, MAJOR, INFANTRY, U. S. ARMY, *Professor of Military Science and Tactics.*

A. B., St. John's College, 1903; United States Military Academy, 1908.

[1920] 211 Hawthorn Rd., Roland Pk.

WADE HAMPTON FROST, M. D., *Surgeon, U. S. P. H. S., Professor of Epidemiology and Head of the Departments of Epidemiology and Public Health Administration, School of Hygiene and Public Health.*

A. B., University of Virginia, 1901, and M. D., 1903; Assistant Surgeon and Surgeon, United States Public Health Service, 1905-; Director, Bureau of Sanitary Service, American Red Cross, 1917.

[1921; 1919] Tudor Hall Apts.

CHARLES DAVID SNYDER, PH. D., *Professor of Experimental Physiology.*

A. B., Leland Stanford Jr. University, 1896; M. S., University of California, 1904, and Ph. D., 1905. 6105 Walnut Lane, Cedarcroft

[1921; 1908]

FREDERICK HENRY BAETJER, M. D., *Professor of Clinical Roentgenology.*

A. B., Johns Hopkins University, 1897, and M. D., 1901; *Visiting Roentgenologist.*

[1921; 1903] 4 E. Madison St.

E. KENNERLY MARSHALL, JR., PH. D., M. D., *Professor of Physiology.*

S. B., College of Charleston, 1908; Ph. D., Johns Hopkins University, 1911, M. D., 1917, Assistant, Associate, and Associate Professor, 1911 19; Professor of Pharmacology, Washington University, 1919-21. Temple Court Apts.

[1921; 1911]

G. CANBY ROBINSON, M. D., *Acting Professor of Medicine.*

A. B., Johns Hopkins University, 1899, and M. D., 1903; Chief, Medical Clinic, Associate Professor of Medicine, and Dean, Washington University, 1913 1920; Professor of Medicine and Dean, Vanderbilt University, 1920—; *Acting Physician in-Chief.* 209 E. Biddle St.

[1921]

HOWARD H. BAILY, M. D., MAJOR, M. C., U. S. ARMY, *Professor of Military Science and Tactics.*

M. D., University of Virginia, 1897; Graduate, Army Medical School, 1905.

[1921] Washington, D. C.

ALLEN WEIR FREEMAN, M. D., *Resident Lecturer in Public Health Administration, School of Hygiene and Public Health.*

S. B., Richmond College, 1899; M. D., Johns Hopkins University, 1905; Assistant Commissioner of Health, Virginia, 1908 1915; Epidemiologist, U. S. Public Health Service, 1915-1917; Commissioner of Health of Ohio, 1917-1921.

[1921] Guilford Manor Apts.

SAMUEL THEOBALD, M. D., *Clinical Professor of Ophthalmology.*

M. D., University of Maryland, 1867; *Visiting Ophthalmologist.*

[1896] 968 N. Howard St.

HENRY M. THOMAS, A. M., M. D., *Clinical Professor of Neurology.*

M. D., University of Maryland, 1884; A. M. (Hon.), Johns Hopkins University, 1902; *Visiting Neurologist.*

[1896] 1228 Madison Av.

JERE WILLIAMS LORD, M. D., *Clinical Professor of Dermatology.*

A. B., Johns Hopkins University, 1884; M. D., University of Pennsylvania, 1887; *Visiting Dermatologist.*

[1898; 1893] 1011 N. Charles St.

THOMAS CASPAR GILCHRIST, M. D., M. R. C. S., *Clinical Professor of Dermatology.*

M. R. C. S., and L. S. A., London, 1887; M. D. (Hon.), University of Maryland 1907; *Visiting Dermatologist.*

[1898; 1896] 107 St. John's Rd., Roland Pk.

HENRY JOHNS BERKLEY, M. D., D. SC., *Clinical Professor Emeritus of Psychiatry.*

M. D., University of Maryland, 1881, and D. Sc. (Hon.), 1907.

[1898; 1896] 1305 Park Av.

HUGH HAMPTON YOUNG, M. D., *Clinical Professor of Urology.*

A. B. and A. M., University of Virginia, 1893, and M. D., 1894; *Visiting Urologist.*

[1914; 1898] Charles St. and Cold Spring Lane

SAMUEL JAMES CROWE, M. D., *Clinical Professor of Laryngology.*

A. B., University of Georgia, 1904; M. D., Johns Hopkins University, 1908; *Visiting Otolaryngologist.*

[1920; 1910] 1206 Linden Av.

WILLIAM WOOD RUSSELL, M. D., *Associate Professor of Clinical Gynecology.*

M. D., University of Pennsylvania, 1890; *Assistant Visiting Gynecologist.*

[1900; 1895] [Absent on leave]

THOMAS BARNES FUTCHER, M. B., *Associate Professor of Clinical Medicine.*

M. B., University of Toronto, 1893; *Assistant Visiting Physician.*

[1903; 1895] 1129 N. Calvert St.

JOSEPH COLT BLOODGOOD, M. D., *Associate Professor of Clinical Surgery.*

S. B., University of Wisconsin, 1888; M. D., University of Pennsylvania, 1891; *Assistant Visiting Surgeon.*

[1903; 1895] 904 N. Charles St.

WILLIAM WEBBER FORD, M. D., D. P. H., *Associate Professor of Bacteriology, School of Hygiene and Public Health.*

A. B., Adelbert College, 1893; M. D., Johns Hopkins University, 1898, Instructor, Associate, and Associate Professor of Bacteriology, 1903 17; D. P. H., McGill University, 1900, and Fellow in Pathology, 1899 01; Fellow, Rockefeller Institute for Medical Research, 1901 02; Lecturer on Hygiene and Epidemiology, Johns Hopkins Medical School, 1917—.

[1906; 1903] Woodbrook

MAX BROEDEL, *Associate Professor of Art as Applied to Medicine.*

Academy of Arts, Leipzig, 1885 90; Illustrator, University of Leipzig, until 1894.

[1907; 1905] 320 Suffolk St., Guilford

WILLIAM STEVENSON BAER, M. D., *Associate Professor of Clinical Orthopedic Surgery.*

A. B., Johns Hopkins University, 1894, and M. D., 1898; *Visiting Orthopedic Surgeon.* 4 E. Madison St.

[1910; 1900]

THOMAS RICHMOND BOGGS, M. D., *Associate Professor of Clinical Medicine.*

S. B., University of Georgia, 1896; M. D., Johns Hopkins University, 1901; Physician in Chief, City Hospital, Baltimore; *Assistant Visiting Physician.*

[1911; 1905] 1013 N. Calvert St.

WILLIAM KURRELMEYER, PH. D., *Associate Professor of German.*

A. B., Johns Hopkins University, 1896, Fellow, 1897-99, and Ph. D., 1899; Professor of Modern Languages, Franklin and Marshall College, 1899-1900; *Co-editor, Modern Language Notes.* 1529 Linden Av.

[1911; 1900]

A. HERMAN PFUND, PH. D., *Associate Professor of Physics.*

S. B., University of Wisconsin, 1901; Fellow, Johns Hopkins University, 1905-06, Ph. D., 1906, Assistant, 1906 07, and Johnston Scholar, 1907-09.

[1911; 1906] 314 E. Thirty third St.

BENJAMIN FRANKLIN LOVELACE, PH. D., *Associate Professor of Chemistry.*

S. B., University of Alabama, 1904; Fellow, Johns Hopkins University, 1906-07, Ph. D., 1907, and Assistant, 1907-08; Professor of Chemistry, University of Alabama, 1908-11.

[1911; 1907] 3413 Oakenshawe Place.

JOHN CALVIN FRENCH, PH. D., *Associate Professor of English.*

A. B., Johns Hopkins University, 1899, Fellow, 1903-04, and Ph. D., 1905; *Director, Bureau of Appointments.*

[1914; 1904] 416 Cedarcroft Rd., Govans.

AARON EMBER, PH. D., *Associate Professor of Semitic Languages.*

A. B., Johns Hopkins University, 1901, Fellow, 1903 04, Ph. D., 1904, and Rayner Fellow, 1904-10.

[1914; 1907] 12 Montgomery Rd., Windsor Hills.

ABRAHAM COHEN, PH. D., *Associate Professor of Mathematics.*

A. B., Johns Hopkins University, 1891, Fellow, 1893 94, and Ph. D., 1894; *Associate Editor, American Journal of Mathematics and American Mathematical Monthly.*

[1914; 1895] 1744 Park Av.

LOUIS VIRGIL HAMMAN, M. D., *Associate Professor of Clinical Medicine.*

A. B., Rock Hill College, 1896; M. D., Johns Hopkins University, 1901; *Assistant Visiting Physician.*

[1915; 1903] 1107 St. Paul St.

JOHN TIMOTHY GERAGHTY, M. D., *Associate Professor of Clinical Urology.*

A. B., St. Thomas College (Minn.), 1895; Ph. B., St. Paul Seminary (Minn.), 1897; M. D., Johns Hopkins University, 1903; *Assistant Visiting Urologist.*

[1915; 1906] Charles St. and Whitfield Rd.

RALPH VAN DEMAN MAGOFFIN, PH. D., *Associate Professor of Greek and Roman History.*

A. B., University of Michigan, 1902; Instructor in Latin and Greek, Marietta College Academy, 1902 05; Fellow, American School of Classical Studies, Rome, 1906 07; Fellow, Johns Hopkins University, 1907 08, and Ph. D., 1908; Archæological Institute of America (Recorder, 1914, President, 1922); Professor in charge of the American School of Classical Studies of the American Academy in Rome, 1920 21.

[1916; 1908] 1407 Eutaw Place.

CLYDE GRAEME GUTHRIE, M. D., *Associate Professor of Medicine.*

A. B., Lafayette College, 1903; M. D., Johns Hopkins University, 1907, Assistant Instructor, and Associate, 1908 16; *Associate Physician, in charge of the Clinical Laboratory.*

[1916; 1908] Carlton Apts.

GEORGE JULIUS HEUER, M. D., *Associate Professor of Surgery.*

S. B., University of Wisconsin, 1903; M. D., Johns Hopkins University, 1907, Instructor and Associate, 1912-16; *Associate Surgeon.*

[1916; 1912] 6 E. Read St.

ALLEN KRAMER KRAUSE, M. D., *Associate Professor of Medicine.*

A. B., Brown University, 1901, and A. M., 1902; M. D., Johns Hopkins University 1907, Assistant and Instructor in Pathology, 1907 1909; *Managing Editor, American Review of Tuberculosis; Associate Editor, International Medical and Surgical Survey; Physician in charge, Phipps Tuberculosis Dispensary and Kenneth Dows Tuberculosis Research Fund, and Associate Physician.*

[1916; 1907] Montrose and Idlewilde Avs., Catonsville.

ROBERT BRUCE ROULSTON, PH. D., *Associate Professor of German.*

A. B., Johns Hopkins University, 1900, Fellow, 1902 03, and Ph. D., 1906; *Secretary, Johns Hopkins Alumni Association; Editor, Johns Hopkins Alumni Magazine.*

[1917; 1908] 2706 Allendale Rd., Walbrook.

JOSEPH THEOPHILUS SINGEWALD, JR., PH. D., *Associate Professor of Economic Geology.*

A. B., Johns Hopkins University, 1906, Fellow, 1907 08, Ph. D., 1909, and Henry E. Johnston Scholar, 1910-13. 17 W. 29th St.
[1917; 1913]

DAVID WRIGHT WILSON, PH. D., *Associate Professor of Physiological Chemistry.*

S. B., Grinnell College, 1910; Ph. D., Yale University, 1914.
[1917; 1914] 304 W. Monument St.

DAVID SIMON BLONDHEIM, PH. D., *Associate Professor of French.*

Johns Hopkins University (A. B., 1906, Fellow, 1909-10, Ph. D., 1910, Johnston Scholar, 1913 14); Instructor, Associate, and Assistant Professor of Romance Languages, University of Illinois, 1910-17. 808 Peservoir St.
[1917]

WILLIAM B. KOUWENHOVEN, DR. ING., *Associate Professor of Electrical Engineering.*

E. E., Brooklyn Polytechnic Institute, 1906, M. E., 1907; Doktor-Ingenieur, Karlsruhe, Germany, 1913; Instructor in Electrical Engineering, Brooklyn Polytechnic Institute, 1907-10, and Washington University, 1913-14.
[1918; 1914] Rectory Rd., Mt. Washington.

WALTER A. PATRICK, PH. D., *Associate Professor of Chemistry.*

B. S., Syracuse University, 1910; Swett Fellow, Massachusetts Institute of Technology, 1912-14; Ph. D., University of Göttingen, 1914; Research Assistant, University College, London, 1914 15; Instructor, Massachusetts Institute of Technology, 1915 16, Syracuse University, 1916 17.
[1918; 1917] The Terraces, Mt. Washington.

CARROLL GIDEON BULL, M. D., *Associate Professor of Immunology, School of Hygiene and Public Health.*

S. B., Peabody College, 1907; M. D., University of Nashville, 1909; Pathologist to Lincoln Memorial Hospital, 1910 1912; Assistant, Nelson Morris Institute for Medical Research, 1912-13; Assistant and Associate in Pathology and Bacteriology, The Rockefeller Institute for Medical Research, 1913-17.
[1918] Montgomery Rd., Windsor Hills.

RICHARD HOLDEN FOLLIS, M. D., *Associate Professor of Clinical Surgery.*

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; *Assistant Visiting Surgeon.* 3 E. Read St.
[1918; 1902]

THOMAS RICHARDSON BROWN, M. D., *Associate Professor of Clinical Medicine.*

A. B., Johns Hopkins University, 1892, and M. D., 1897; *Assistant Visiting Physician.* 17 W. Biddle St.
[1919; 1901]

GEORGE WASHINGTON CORNER, M. D., *Associate Professor of Anatomy*

A. B., Johns Hopkins University, 1909, M. D., 1913, and Assistant, 1913-14; Assistant Professor of Anatomy, University of California, 1915-19.
[1919; 1913] 4509 Maine Av., Forest Pk.

LOWELL JACOB REED, PH. D., *Associate Professor of Biometry and Vital Statistics, School of Hygiene and Public Health.*

S. B., University of Maine, 1907 and S. M., 1912; Ph. D., University of Pennsylvania, 1915; Assistant Professor of Mathematics, University of Maine, 1915-17; Director of Bureau of Tabulation and Statistics, War Trade Board, Washington, 1917-18.

[1919; 1918] 3400 Duvall Av., Forest Pk.

RHEINART PARKER COWLES, PH. D., *Associate Professor of Zoölogy.*

A. B., Leland Stanford, Jr. University, 1899; Fellow, Johns Hopkins University, 1901-02, Bruce Fellow, 1902-04, Ph. D., 1904, Assistant, Instructor, and Associate, 1904-11; Professor of Zoölogy, University of the Philippines, 1911-19.

[1919; 1904] 1505 Bolton St.

ROBERT WILLIAM HEGNER, PH. D., *Associate Professor of Protozoölogy, School of Hygiene and Public Health.*

S. B., University of Chicago, 1903, and S. M., 1904; Ph. D., University of Wisconsin, 1908; Instructor, University of Michigan, 1908-10, and Assistant Professor, 1910-17; Johnston Scholar, Johns Hopkins University, 1917-18.

[1920; 1918] 218 Hawthorn Rd., Roland Pk.

JULIAN CHASE SMALLWOOD, M. E., A. M., *Associate Professor of Mechanical Engineering.*

M. E., Columbia University, 1903; A. M., Johns Hopkins University, 1917; Assistant in Mechanical Engineering, Columbia University, 1904 05; Instructor, University of Pennsylvania, 1908-10; Associate Professor of Experimental Engineering, Syracuse University, 1910 16.

[1920; 1916] Calvert Court Apts.

PAUL DUDLEY LAMSON, M. D., *Associate Professor of Pharmacology.*

A. B., Harvard University, 1905, and M. D., 1909. 3916 Clover Hill Rd.

[1920; 1914]

FLORENCE EILAU BAMBERGER, PH. D., *Associate Professor of Education.*

S. B., Columbia University, 1914, A. M., 1915, and Ph. D., 1922.

[1920; 1916] 2408 Linden Av.

STANHOPE BAYNE JONES, M. D., A. M., *Associate Professor of Bacteriology.*

A. B., Yale University, 1910; M. D., Johns Hopkins University, 1914, and A. M., 1917; Assistant Resident Pathologist, the Johns Hopkins Hospital, 1915-17.

[1920; 1916] 821½ Park Av.

WILLIAM WALTER CORT, PH. D., *Associate Professor of Helminthology, School of Hygiene and Public Health.*

A. B., Colorado College, 1909; A. M., University of Illinois, 1911, and Ph. D., 1914; Professor of Biology, Macalester College, 1914 16; Assistant Professor of Zoölogy, University of California, 1916-19; Consulting Helminthologist, State Board of Health, California, 1918-19.

[1920; 1919] 3608 Woodbine Av., W. Forest Pk.

GROVES HOWARD CARTLEDGE, PH. D., *Associate Professor of Chemistry.*

A. B. and M. A., Davidson College, 1911; Assistant, University of Chicago, 1915-16, and Ph. D., 1916; Professor of Chemistry, Presbyterian College of South Carolina, 1913 17, and Associate Professor, Davidson College, 1917 18; Chemical Warfare Service, 1918; Chief Chemist, Island Refining Corporation, 1919 20.

[1920] 2450 Maryland Av.

BUFORD JENNETTE JOHNSON, PH. D., *Associate Professor of Psychology.*

A. B., Lagrange College, 1895; A. M., Johns Hopkins University, 1915, and Ph. D., 1916; George Peabody Scholar, 1915 16; Associate Professor and Professor of Mathematics, Lagrange College, 1906 13; Associate Psychologist, Laboratory of Social Hygiene, New York, 1916 18; Psychologist, Bureau of Educational Experiments, New York, 1918 20.

[1920] 9 W. 25th St.

WALTER EDWARD DANDY, M. D., A. M., *Associate Professor of Clinical Surgery.*

A. B., University of Missouri, 1907; M. D., Johns Hopkins University, 1910, and A. M., 1911; *Assistant Visiting Surgeon.*

[1921; 1914] 3021 Arunah Av.

EVERETT DUDLEY PLASS, M. D., *Associate Professor of Obstetrics.*

A. B., Colgate University, 1907; M. D., Johns Hopkins University, 1911, Assistant and Instructor, 1912 17; *Assistant Obstetrician.*

[1921; 1912] 925 Cathedral St.

FRANCIS DOMINIC MURNAGHAN, PH. D., *Associate Professor of Applied Mathematics.*

A. B., National University of Ireland, 1913, and A. M., 1914; Ph. D., Johns Hopkins University, 1916; Instructor in Mathematics, Rice Institute, 1916 18; *Associate Editor, American Mathematical Monthly.*

[1921; 1918] C 1, University Apts.

HARRY WILLIAM WATERFALL, S. B., *Associate Professor of Mechanical Engineering.*

S. B., Massachusetts Institute of Technology, 1911, and Assistant, 1911-12; Instructor, University of Illinois, 1913 17, and Assistant Professor, 1919 20.

[1921; 1920] 419 Greenway Apts.

EDWARD PERKINS CARTER, M. D., *Associate Professor of Medicine.*

M. D., University of Pennsylvania, 1894; M. A. (Hon.), Williams College, 1916; Fellow in Pathology, Johns Hopkins University, 1896 1897; Associate Professor of Medicine, Western Reserve University, 1916 18; Lecturer, Johns Hopkins University, 1918 21; *Associate Physician.*

[1921; 1918] 204 Stratford Rd., Guilford.

ALAN MASON CHESNEY, M. D., *Associate Professor of Medicine.*

A. B., Johns Hopkins University, 1908, and M. D., 1912; Assistant Resident Physician, Johns Hopkins Hospital, and Assistant in Medicine, Johns Hopkins University, 1913 14; Associate in Medicine, Washington University, 1917-21; *Associate Physician.*

[1921] 7 W. Hamilton St.

GUY LEROY HUNNER, M. D., *Associate Professor of Clinical Gynecology.*

S. B., University of Wisconsin, 1893; M. D., Johns Hopkins University, 1897, Instructor and Associate in Gynecology, 1901 20, Lecturer, 1920 21; *Assistant Visiting Gynecologist.*

[1921; 1901] 2305 St. Paul St.

THOMAS L. MCMURRAY, CAPTAIN, INFANTRY, U. S. ARMY, *Assistant Professor of Military Science and Tactics.*
Cornell University. 402 Greenway Apts.
[1920]

WILLIAM C. ATWATER, CAPTAIN, CORPS ENGINEERS, U. S. ARMY, *Assistant Professor of Military Science and Tactics.*
B. S., Bellevue College, 1910; M. M. S., Harvard University, 1915.
[1921] 220 Prospect Av.

ROLAND R. LONG, CAPTAIN, INFANTRY, U. S. ARMY, *Assistant Professor of Military Science and Tactics.*
Tennessee Military Institute.
[1921] 2624 N. Calvert St.

WILLARD S. PAUL, CAPTAIN, INFANTRY, U. S. ARMY, *Assistant Professor of Military Science and Tactics.*
Dartmouth College.
[1921] 4121 Roland Av.

FRANK ROBERT SMITH, M. D., *Associate in Clinical Medicine.*
A. M., University of Cambridge, 1882; M. D., University of Maryland, 1891; *Assistant Visiting Physician.* 927 N. Calvert St.
[1901; 1895]

WILLIAM ROSENAU, PH. D., *Associate in Post-Biblical Hebrew.*
A. B., University of Cincinnati, 1888; Hebrew Union College of Cincinnati, 1889; Ph. D., Johns Hopkins University, 1900. 1515 Eutaw Place.
[1903]

LOUIS PHILIP HAMBURGER, M. D., *Associate in Clinical Medicine.*
A. B., Johns Hopkins University, 1893, and M. D., 1897; *Assistant Visiting Physician.* 1207 Eutaw Place.
[1905; 1899]

FRANK RINGGOLD BLAKE, PH. D., *Associate in Oriental Languages.*
A. B., Johns Hopkins University, 1897, Fellow, 1898-1902, and Ph. D., 1902.
[1906; 1902] 109 W. Monument St.

JAMES HALL MASON KNOX, JR., PH. D., M. D., *Associate in Clinical Pediatrics.*
A. B., Yale University, 1892, and Ph. D., 1894; A. M., Lafayette College, 1896; M. D., Johns Hopkins University, 1898; *Assistant Visiting Pediatrician.*
[1909; 1902] [Absent on leave]

JOHANNES MATTERN, PH. D., *Librarian.*
Universities of Münster and Bonn, 1904-07; Librarian in Charge, Bureau of Statistics, Department of Commerce and Labor, 1910-11; Ph. D., Johns Hopkins University, 1922.
[1911] 2620 Maryland Av.

EDWARD HENDERSON RICHARDSON, M. D., LL. D., *Associate in Clinical Gynecology.*

A. B., Hampden-Sidney College, 1900, and LL. D., 1921; M. D., Johns Hopkins University, 1905; *Assistant Visiting Gynecologist.*

[1912; 1909] 1200 N. Charles St.

CHARLES ROBERT AUSTRIAN, M. D., *Associate in Clinical Medicine.*

A. B., Johns Hopkins University, 1904, and M. D., 1909; *Assistant Visiting Physician.*

[1914; 1910] 1417 Eutaw Place.

KARL MILLER WILSON, M. D. C. M., *Associate in Clinical Obstetrics.*

M. D. C. M., McGill University, 1908; *Assistant Visiting Obstetrician.*

[1914] 1212 Eutaw Place

WALTER ALBERT BAETJER, M. D., *Associate in Clinical Medicine.*

A. B., Johns Hopkins University, 1905, and M. D., 1909; *Assistant in Clinical Laboratory.*

[1915; 1910] 16 W. Madison St.

EDGAR RANDOLPH STROBEL, M. D., *Associate in Clinical Dermatology.*

A. B., Johns Hopkins University, 1895, and M. D., 1899; *Dispensary Dermatologist.*

[1916; 1902] 104 Longwood Rd., Roland Pk.

DAVID MELVIN DAVIS, M. D., *Associate in Urology.*

S. B., Princeton University, 1907; M. D., Johns Hopkins University, 1911; *Resident Urologist.*

[1916; 1912] The Johns Hopkins Hospital.

GEORGE E. BENNETT, M. D., *Associate in Clinical Orthopedic Surgery.*

M. D., University of Maryland, 1909; *Assistant Visiting Orthopedic Surgeon.*

[1916; 1914] 4 E. Madison St.

ARTHUR LEONARD BLOOMFIELD, M. D., *Associate in Medicine.*

A. B., Johns Hopkins University, 1907, and M. D., 1911; *Assistant Visiting Physician.*

[1917; 1912] 3931 Cedar Av.

GUSTAV GRUENBAUM, PH. D., *Associate in Romance Languages.*

A. B., University of Bucarest, 1902; Fellow, Johns Hopkins University, 1910-11, and Ph. D., 1912; *Co Editor, Modern Language Notes.*

[1917; 1911] 2613 Maryland Av.

CHARLES BAGLEY, JR., M. D., *Associate in Experimental Neurology.*

M. D., University of Maryland, 1904; A. B., Loyola College, 1911; *Assistant Psychiatrist.*

[1917] Latrobe Apts.

GEORGE LANE TANEYHILL, JR., M. D., *Associate in Clinical Neurology.*

A. B., Johns Hopkins University, 1900, and M. D., 1904; *Dispensary Neurologist.*

[1918; 1905] 1312 Eutaw Place

CHARLES METCALFE BYRNES, M. D., *Associate in Clinical Neurology.*

S. B., University of North Carolina, 1902; M. D., Johns Hopkins University, 1906; Adjunct Professor of Anatomy, University of Virginia, 1906 09; *Dispensary Neurologist.*
[1918; 1909] 207 E. Preston St.

SYDNEY ROBOTHAM MILLER, M. D., *Associate in Clinical Medicine.*

S. B., New York University, 1905; M. D., Johns Hopkins University, 1910; *Assistant in Clinical Laboratory.*
[1918; 1911] 108 St. John's Rd., Roland Pk.

MYRICK WHITING PULLEN, S. B., *Associate in Electrical Engineering.*

S. B. in E. E., Iowa State College, 1908, and Instructor, 1908-10.
[1918; 1912] 2305 N. Calvert St.

ALBERT KEIDEL, M. D., *Associate in Clinical Medicine.*

A. B., Johns Hopkins University, 1900, and M. D., 1903; *Dispensary Physician.*
[1918; 1913] 330 N. Charles St.

LLOYD WARREN KETRON, M. D., *Associate in Clinical Dermatology.*

A. B., Grant University, 1907; M. D., Johns Hopkins University, 1911; *Dispensary Dermatologist.*
[1918; 1914] 1107 St. Paul St.

GEORGE HENRY ROBINSON, PH. D., *Associate in Bacteriology, School of Hygiene and Public Health.*

A. B., Bates College, 1911; A. M., Brown University, 1912, and Ph. D., 1914; Research Laboratory, H. K. Mulford Company, 1914-18.
[1918] 3017 Harlem Av.

REYNOLD ALBRECHT SPAETH, PH. D., *Associate in Physiology, School of Hygiene and Public Health.*

S. B., Haverford College, 1909; A. M., Harvard University, 1910, and Ph. D., 1913; Sheldon Fellow, Physiological Institute, Kiel, 1913-14; Instructor in Biology, Clark College, 1914-15, and Yale University, 1915-18; Technical Assistant in Pharmacology, Hygienic Laboratory, U. S. Public Health Service, 1918.
[1918] 212 Longwood Rd., Roland Pk.

JOHN RICE MINER, D. Sc., *Associate in Biometry and Vital Statistics, School of Hygiene and Public Health.*

A. B., University of Michigan, 1913; Computer, Maine Agricultural Experiment Station, 1913-17; Biometrician, Statistical Division, U. S. Food Administration, 1917 18; D. Sc. in Hyg., Johns Hopkins University, 1922.
[1918] Towson.

EVELETH WILSON BRIDGMAN, M. D., *Associate in Clinical Medicine.*

A. B. Johns Hopkins University, 1908, and M. D., 1912; *Assistant Visiting Physician.*
[1919; 1913] 11 E. Chase St.

ROBERT SYDNEY CUNNINGHAM, M. D., *Associate in Anatomy.*

S. B. and A. M., Davidson College, 1911; M. D., Johns Hopkins University, 1915.
[1919; 1915] Y. M. C. A.

WILLIAM ARCHIBALD FRONTZ, M. D., *Associate in Clinical Urology.*

A. B., Princeton University, 1907; M. D., Johns Hopkins University, 1911; *Urologist in charge.*

[1919; 1915] 330 N. Charles St.

ROSCOE RAYMOND HYDE, PH. D., *Associate in Immunology, School of Hygiene and Public Health.*

A. B., Indiana University, 1909; Ph. D., Columbia University, 1915; Assistant in Embryology, Indiana University, 1908-09; Assistant Professor, Professor, and Head of Department of Zoölogy and Physiology, Indiana State Normal School, 1909-19; Lecturer in Genetics, Terre Haute Veterinary College, 1910-18; Dyckman Fellow, Columbia University, 1912-13; Fellow, Johns Hopkins University, 1918-19.

[1919] 4101 Penhurst Av.

ARTHUR LOUIS MEYER, M. D., *Associate in Physiology, School of Hygiene and Public Health.*

A. B., Beloit College, 1905; M. D., University of Pennsylvania, 1909; Harvard Medical School, 1912-1913; Oxford University and Cambridge University, 1913; Assistant, Russell Sage Institute of Pathology, 1914-1915; Assistant and Associate, Rockefeller Institute for Medical Research, 1915-1919.

[1919] 1109 St. Paul St.

HARRY RICHMOND SLACK, JR., M. D., *Associate in Clinical Laryngology.*

A. B., University of Georgia, 1908; M. D., Johns Hopkins University, 1912; *Assistant Visiting Otolaryngologist.*

[1919; 1913] 1100 N. Charles St.

WILLIAM MYNN THORNTON, JR., PH. D., *Associate in Chemistry.*

A. B., University of Virginia, 1907; Ph. D., Yale University, 1914; Assistant in Chemistry, Massachusetts Agricultural College, 1907-08; Tutor, College of the City of New York, 1914-15.

[1919] 2 Chancery Sq., Guilford.

WILLIAM OSWALD WEYFORTH, PH. D., *Associate (Associate Professor Elect) in Political Economy.*

A. B., Johns Hopkins University, 1912, and Ph. D., 1915; Instructor, Western Reserve University, 1915-17.

[1919] 2320 Linden Av.

PAUL WISWALL CLOUGH, M. D., *Associate in Clinical Medicine.*

S. B., University of Wisconsin, 1903; M. D., Johns Hopkins University, 1907; *Assistant Visiting Physician.*

[1919; 1908] 24 E. Eager St.

CHESTER HENRY HEUSER, PH. D., *Associate in Anatomy.*

A. B., University of Kansas, 1908, and A. M., 1910; Ph. D., Harvard University, 1913; Fellow in Zoölogy, University of Kansas, 1908-09, Instructor, 1909-10, Assistant Professor, 1912; Austin Teaching Fellow, Harvard University, 1910-13; Fellow, Wistar Institute, 1913-19.

[1919] 2500 Garrison Av

THEO JACOBS, A. B., *Associate in Social Economics.*

A. B., Goucher College, 1901; Federated Charities of Baltimore (District Assistant, 1905-07, District Secretary, 1907-10, Assistant General Secretary, 1910-17, Acting General Secretary, 1917-19).

[1919] 226 Somerset Rd., Roland Pk.

WYATT WILLIAM RANDALL, PH. D., *Associate in Bio-Chemistry, School of Hygiene and Public Health.*

A. B., St. John's College, 1884; Ph. D., Johns Hopkins University, 1890; Assistant and Associate in Chemistry, 1890-1898, 1919--21; Chief, Bureau of Chemistry, State Department of Health.

[1919; 1890] 10 Rugby Rd., Guilford.

JANET HOWELL CLARK, PH. D., *Associate in Physiology, School of Hygiene and Public Health.*

A. B., Bryn Mawr College, 1910; A. M., Johns Hopkins University, 1912, and Ph. D., 1913; Huff Fellow, Bryn Mawr College, 1913-14, and Instructor in Physics, 1914-15; Sarah Berliner Fellow, 1915-16; Instructor, Smith College, 1916-17.

[1920; 1917] 232 W. Lanvale St.

JOHN STAIGE DAVIS, M. D., *Associate in Clinical Surgery.*

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; *Assistant Visiting Surgeon.*

[1920; 1909] 211 Wendover Rd., Guilford.

WILLIAM ALEXANDER FISHER, JR., M. D., *Associate in Clinical Surgery.*

A. B., Princeton University, 1896; M. D., Johns Hopkins University, 1900; *Assistant Visiting Surgeon.*

[1920; 1909] 715 Park Av.

OMAR BOŘTON PANCOAST, M. D., *Associate in Clinical Surgery.*

S. B., Swarthmore College, 1893; M. D., Johns Hopkins University, 1897; *Dispensary Surgeon.*

[1920; 1909] 1111 N. Charles St.

ISAAC ROSENBAUM PELS, M. D., *Associate in Clinical Dermatology.*

A. B., Johns Hopkins University, 1902, and M. D., 1906; *Dispensary Dermatologist.*

[1920; 1911] 1011 N. Charles St.

MONT ROGERS REID, M. D., *Associate in Surgery.*

A. B., Roanoke College, 1908; M. D., Johns Hopkins University, 1912; *Associate Surgeon.*

[1920; 1914] 815 N. Charles St.

JAMES LAWDER GAMBLE, M. D., *Associate in Pediatrics.*

A. B., Leland Stanford Jr. University, 1906; M. D., Harvard University, 1910; *Assistant Pediatrician.*

[1920; 1915] 7 Northfield Pl., Roland Pk.

JAMES JULIAN CHISOLM, M. D., *Associate in Clinical Laryngology.*

A. B., Princeton University, 1911; M. D., Johns Hopkins University, 1916; *Dispensary Laryngologist.*

[1920; 1916] 1107 St. Paul St.

FREDERICK WILLIAM LEE, M. E., E. E., *Associate in Electrical Engineering.*

M. E. and E. E., Cornell University, 1911; Assistant in Harvard University, 1911-13; Ph. D., Johns Hopkins University, 1920.

[1920; 1916] Owings Mills.

BENJAMIN KRAMER, M. D., *Associate in Pediatrics.*

M. D., University and Bellevue Hospital Medical College, 1909; M. S., State University of Iowa, 1917, Instructor in Physiology, 1913 15, and Assistant Professor, 1915-17; *Assistant Pediatrician.*

[1920; 1917] The Johns Hopkins Hospital.

ESTHER LORING RICHARDS, M. D., *Associate in Psychiatry.*

A. B., Mt. Holyoke College, 1910; M. D., Johns Hopkins University, 1915, *Assistant Psychiatrist.* 33 E. Mt. Vernon Pl.

[1920; 1917]

NINA SIMMONDS, S. B., *Associate in Bio-Chemistry, School of Hygiene and Public Health.*

S. B., University of Wisconsin, 1915, Assistant in Agricultural Chemistry, 1915-1917; Assistant in Bio-Chemistry, Johns Hopkins University, 1917 1918, Instructor, 1918-1920. 511 N. Wolfe St.

[1920; 1917]

FRANCIS METCALF ROOT, PH. D., *Associate in Medical Entomology, School of Hygiene and Public Health.*

A. B., Oberlin College, 1911, A. M., 1912; Johns Hopkins University (University Fellow, 1914-15, Adam T. Bruce Fellow, 1915-17, Ph. D., 1917, Teaching Fellow in Medical Entomology, 1919-20).

[1920; 1919] 2320 Callow Av.

WILLIAM HAY TALIAFERRO, PH. D., *Associate in Protozoölogy, School of Hygiene and Public Health.*

S. B., University of Virginia, 1915; Johns Hopkins University (Adam T. Bruce Fellow, 1917-1918, Ph. D., 1918, Johnston Scholar, 1919).

[1920; 1919] 1824 Bolton St.

THOMAS MILTON RIVERS, M. D., *Associate in Bacteriology.*

A. B., Emory University, 1909; M. D., Johns Hopkins University, 1915.

[1920; 1917] 810 N. Broadway.

AUBREY T. MUSSEN, M. D., *Associate in Experimental Neurology.*

M. D. C. M., McGill University, 1900; *Assistant Psychiatrist.*

[1920] 1014 St. Paul St.

LEON CLIVE HAVENS, M. D., *Associate in Immunology, School of Hygiene and Public Health.*

A. B., Colorado College, 1913, and A. M., 1914; M. D., Harvard University, 1918.

[1920] 4008 Edmondson Av.

JOHN ROGERS MUSSELMAN, PH. D., *Associate in Mathematics.*

A. B., Pennsylvania College, 1910; Fellow, Johns Hopkins University, 1915-16, and Ph. D., 1916; Instructor, University of Illinois and Washington University, 1916-20. Johns Hopkins Club.

[1920]

CHARLES AUGUST ROUILLER, PH. D., *Associate in Pharmacology.*

A. B., Leland Stanford Jr. University, 1903; Ph. D., Johns Hopkins University, 1906. Buck's Lane, Arlington.

[1920; 1907]

GEORGE BERNAYS WISLOCKI, M. D., *Associate in Anatomy.*

A. B., Washington University, 1912; M. D., Johns Hopkins University, 1916.
[1920; 1916] 1306 Linden Av.

JOHN WARD BAYLOR, M. D., *Associate in Laryngology.*

A. B., Washington and Lee University, 1914; M. D., Johns Hopkins University, 1918; *Assistant Resident Laryngologist.* The Johns Hopkins Hospital.
[1921; 1919]

GEORGE BOAS, PH. D., *Associate in Philosophy.*

A. B. and A. M., Brown University, 1913; A. M., Harvard University, 1915; Ph. D., University of California, 1917; University Fellow in Philosophy, Columbia, 1914-15; Instructor in Forensics, University of California, 1915 17, and Assistant Professor, 1919 21.
[1921] 24 East Mt. Vernon Pl.

FOWLER DELL BROOKS, PH. D., *Associate in Education.*

A. B. and A. M., Baker University, 1911; A. M., University of Oklahoma, 1915; A. M., Columbia University, 1916, and Ph. D., 1921; Assistant in Mathematics, Baker University, 1910 11; Assistant Professor of Psychology and Education, University of Oklahoma, 1915 17; Director of Training School, State Teachers College, Mankato, Minn., 1917-21.
[1921] 534 E. 38th St.

JAMES ROBERT CASH, M. D., *Associate in Pathology.*

A. B., University of Virginia, 1914, and A. M., 1915; M. D., Johns Hopkins University, 1919. 20 E. Mt. Vernon Pl.
[1921; 1919]

JAMES ANGUS DOULL, M. D. C. M., DR. P. H., *Associate in Epidemiology.*

A. B., Dalhousie University, 1911, and M. D. C. M., 1914; D. P. H., University of Cambridge, 1919; Provincial Inspector of Health for Nova Scotia, 1919 1920; Dr. P. H., Johns Hopkins University, 1921.
[1921] 3404 Auchentoroly Terr.

LEO JOHN GOLDBACH, M. D., *Associate in Clinical Ophthalmology.*

A. B., Loyola College, 1901; M. D., University of Maryland, 1905; *Dispensary Ophthalmologist.* 1012 N. Charles St.
[1921; 1914]

JOHN WARTON HARRIS, M. D., *Associate in Obstetrics.*

A. B., University of North Carolina, 1911, and A. M., 1912; M. D., Johns Hopkins University, 1916; *Assistant Obstetrician.* 938 N. Calvert St.
[1921; 1917]

EBEN CLAYTON HILL, M. D., *Associate in Anatomy.*

A. B., Johns Hopkins University, 1903, and M. D., 1907.
[1921; 1920] Greenway Apts.

ERNST HUBER, PH. D., *Associate in Anatomy.*

Swiss Staatsexamen f. Nat. Sc. and Ph. D., University of Zürich, 1917.
[1921] 1306 Linden Av.

MARGARET BAXTER MACDONALD, PH. D., *Associate in Bio-Chemistry.*

A. B., Mt. Holyoke College, 1898; Ph. D., Bryn Mawr College, 1902; Instructor, Assistant Professor, and Associate Professor in Agricultural Chemistry, Pennsylvania State College, 1907-1917, and Professor in Food and Nutrition, 1917-21.
[1921] 42 W. Biddle St.

WILLIAM SHARP MCCANN, M. D., *Associate in Medicine.*

A. B., Ohio State University, 1911; M. D., Cornell University, 1915; Arthur Tracy Cabot Fellow, Harvard, 1916-17; Research Fellow, Russell Sage Institute, N. Y.; Instructor in Medicine, Cornell University, 1919-1921; *Associate Physician,* [1921] 1206 St. Paul St.

PERCY DAVOL MEADER, PH. D., *Associate in Bacteriology, School of Hygiene and Public Health.*

Ph. B., Brown University, 1914, Sc. M., 1916, and Ph. D., 1918; Assistant Bacteriologist, Providence Health Department, 1916-18. 813 N. Howard St.
[1921; 1918]

CYRIL ARTHUR NELSON, PH. D., *Associate in Mathematics.*

A. B., Midland College, 1914; A. M., University of Kansas, 1916; Ph. D., University of Chicago, 1919; Instructor, University of Kansas, 1919-1920, and Western Reserve University, 1920-21.
[1921] 3022 Guilford Av.

RICHARD BAXTER NORMENT, M. D., *Associate in Public Health Administration.*

M. D., University of Maryland, 1914; Deputy State Health Officer (Maryland), 1914-1917; Assistant City Health Officer, Louisville, Kentucky, 1917, and Acting City Health Officer, 1918; Assistant Surgeon, U. S. Public Health Service, 1918; Director, Washington County Public Health Unit, 1921—.
[1921] Hagerstown, Md.

SYLVIA LOUISE PARKER, A. B., *Associate in Biometry and Vital Statistics, School of Hygiene and Public Health.*

A. B., Mount Holyoke College, 1916, and Laboratory Assistant in Zoology, 1916-17; Assistant Biologist, Maine Agricultural Experiment Station, 1917-18.
[1921; 1918] 3409 Duvall Av.

ARNOLD RICE RICH, M. D., *Associate in Pathology.*

A. B. and A. M., University of Virginia, 1915; M. D., Johns Hopkins University, 1919; *Resident Pathologist.* [Absent on leave.]
[1921; 1919]

KARL SCHLAEPFER, M. D., *Associate in Surgery.*

Gymnasium, Zürich, 1900-06; M. D., University of Zürich, 1911; *Assistant Resident Surgeon.*
[1921] The Johns Hopkins Hospital.

THOMAS PECK SPRUNT, M. D., *Associate in Clinical Medicine.*

A. B., Davidson College, 1893; M. D., Johns Hopkins University, 1909; Assistant, Instructor and Associate in Pathology, and Assistant Resident Physician, 1909-15; *Dispensary Physician.*
[1921; 1909] 1035 N. Calvert St.

JOSEPH TRUEMAN THOMPSON, B. S. IN ENG., *Associate in Civil Engineering.*

B. S. in Eng., Johns Hopkins University, 1917.
[1921; 1919] 3405 University Place.

DAVID EMRICH WEGLEIN, PH. D., *Associate in Education.*

A. B., Johns Hopkins University, 1897, and Ph. D., 1917; A. M., Columbia University, 1912; Principal, Western High School, Baltimore, 1906-1920; Assistant Superintendent of Schools. 2400 Linden Av.

[1921; 1917]

RALPH COPLESTONE WILLIAMS, PH. D., *Associate in French.*

A. B., Johns Hopkins University, 1908, and Ph. D., 1917; Instructor and Assistant Professor, Ohio State University, 1918 21.

[1921] Greenway Apts.

SAMUEL EDWIN WHITEMAN, *Instructor in Drawing.*

Ecole des Beaux Arts, Paris. The Terraces, Mt. Washington.

[1890]

JACOB HALL PLEASANTS, M. D., *Instructor in Clinical Medicine.*

A. B., Johns Hopkins University, 1895, and M. D., 1899; President, Supervisors of City Charities; *Chairman, Alumni Council; Member of Board of Trustees; Dispensary Physician.*

]1900] 201 Longwood Rd., Roland Pk.

WILLIAM RUSH DUNTON, JR., M. D., *Instructor in Clinical Psychiatry.*

S. B., Haverford College, 1889, and A. M., 1890; M. D., University of Pennsylvania, 1893; Assistant Physician, Sheppard and Pratt Hospital; *Dispensary Psychiatrist.* 714 E. Evesham Av., Govans.

[1903]

JAMES JOSEPH MILLS, M. D., *Instructor in Clinical Ophthalmology.*

M. D., Baltimore Medical College, 1889; *Dispensary Ophthalmologist.*

[1903] 853 Park Av.

RONALD TAYLOR ABERCROMBIE, M. D., *Director of Physical Education.*

A. B., Johns Hopkins University, 1901, and M. D., 1905.

[1905] 10 Whitfield Rd., Guilford.

JOSEPH ALBERT CHATARD, M. D., *Instructor in Clinical Medicine.*

A. B., Loyola College, 1898; M. D., Johns Hopkins University, 1903; *Dispensary Physician.* 40 W. Biddle St.

[1905]

HENRY LEE SMITH, A. M., M. D., F. R. S. A. (Lond.), *Instructor in Clinical Medicine.*

M. D., University of Maryland, 1894; A. M. (Hon.), St. John's College (Md.), 1909; Fellow, Royal Society of Arts of London, 1914; *Dispensary Physician.*

[1906] (Absent on leave.]

SAMUEL WOLMAN, M. D., *Instructor in Clinical Medicine.*

A. B., Johns Hopkins University, 1902, and M. D., 1906; *Dispensary Physician.*

[1906] 2444 Eutaw Place.

JOHN HENDRICKEN KING, M. D., *Instructor in Clinical Medicine.*

A. B., Johns Hopkins University, 1899, and M. D., 1906; *Dispensary Physician.*

[1906] 1100 N. Charles St.

TRIGANT BURROW, M. D., PH. D., *Assistant in Clinical Psychiatry.*

A. B., Fordham University, 1895; M. D., University of Virginia, 1899; Ph. D. Johns Hopkins University, 1909, and Assistant in Psychology, 1907-09; *Assistant Dispensary Psychiatrist.* Tuscany Apts.
[1907]

DE WITT BELLINGER CASLER, M. D., *Instructor in Clinical Gynecology*

A. B., Yale University, 1900; M. D., Johns Hopkins University, 1904; *Assistant Dispensary Gynecologist.* 13 W. Chase St.
[1907]

BERTRAM MOSES BERNHEIM, M. D., *Instructor in Clinical Surgery.*

A. B., Johns Hopkins University, 1901, and M. D., 1905; *Dispensary Surgeon.*
[1909] 2313 Eutaw Pl.

EUGENE JOSEPH LEOPOLD, M. D., *Instructor in Clinical Medicine.*

A. B., Johns Hopkins University, 1901, and M. D., 1905; *Dispensary Physician.*
[1909] 803 Park Av.

MARTIN FRANCIS SLOAN, M. D., *Instructor in Clinical Medicine.*

M. D., Baylor University, 1907; *Dispensary Physician.*
[1910] 330 N. Charles St.

WILLIAM LAWRENCE MILLEA, M. D., *Instructor in Clinical Obstetrics.*

A. B., Clark University, 1908; M. D., Johns Hopkins University, 1912; *Assistant Visiting Obstetrician.* 1020 N. Calvert St.
[1913]

PAUL GALPIN SHIPLEY, M. D., *Instructor in Pediatrics.*

M. D., Yale University, 1913; *Assistant Dispensary Pediatrician.*
[1913] 2412 Linden Av.

HARVEY BRINTON STONE, M. D., *Instructor in Clinical Surgery.*

A. B., Johns Hopkins University, 1902, and M. D., 1906; Adjunct Professor of Surgery, University of Virginia, 1907-10; *Assistant Visiting Surgeon.*
[1913] 18 W. Franklin St.

JOHN SCOTT WILLOCK, M. D., *Instructor in Clinical Dermatology.*

S. B., Princeton University, 1900; M. D., Johns Hopkins University, 1904; *Assistant Dispensary Dermatologist.* 801 Falls Rd. Terr., Roland Pk.
[1914]

FREDERICK WILLIAM HOBELMANN, M. D., *Instructor in Clinical Urology.*

M. D., Baltimore Medical College, 1901; *Dispensary Urologist.*
[1915] 33 Gunther Building.

MARY ASHMUN HODGE, M. D., *Instructor in Clinical Medicine.*

A. B., Leland Stanford Jr. University, 1903; M. D., Johns Hopkins University, 1914; *Dispensary Physician.* 2635 St. Paul St.
[1915]

EMIL NOVAK, M. D., *Instructor in Clinical Gynecology.*

A. B., Loyola College, 1912; M. D., University of Maryland, 1904; Associate Professor of Gynecology, College of Physicians and Surgeons, Baltimore.
[1915] 26 E. Preston St.

CHARLES ALEXANDER WATERS, M. D., *Instructor in Clinical Roentgenology.*
M. D., University of Maryland, 1911; *Assistant Visiting Roentgenologist.*
[1915] 1100 N. Charles St.

THEODORE KISTLER, *Gymnasium Instructor.*
[1916] Cottage Apts.

JOHN ARCHIBALD CAMPBELL COLSTON, M. D., *Instructor in Clinical Urology.*
Ph. B., Yale University, 1907; M. D., Johns Hopkins University, 1911; *Assistant Urologist.*
[1916] 1016 St. Paul St.

EDWARD VINCENT COOLAHAN, M. D., *Instructor in Clinical Medicine.*
A. B., Rock Hill College, 1903; M. D., Johns Hopkins University, 1908; *Dispensary Physician.*
[1916] 24 N. Fulton Av.

HOAGLAND COOK DAVIS, M. D., *Instructor in Clinical Laryngology.*
M. D., University of Maryland, 1902; *Assistant Dispensary Laryngologist.*
[1916] 405 N. Charles St.

JOSEPH EDWARD GATELY, M. D., *Assistant in Clinical Dermatology.*
M. D., University of Maryland, 1909; *Assistant Dispensary Dermatologist.*
[1916] 23 W. Franklin St.

HARRY LOUIS HOMER, M. D., *Instructor in Clinical Surgery.*
M. D., University of Pennsylvania, 1904; *Dispensary Surgeon.*
[1916] 1011 N. Charles St.

JOHN THEODORE KING, JR., M. D., *Instructor in Clinical Medicine.*
A. B., Princeton University, 1910; M. D., Johns Hopkins University, 1914; *Dispensary Physician.*
[1916] 1400 Eutaw Place.

JOHN GARDNER MURRAY, JR., M. D., *Instructor in Clinical Obstetrics.*
A. B., Johns Hopkins University, 1911, and M. D., 1915; *Dispensary Obstetrician.*
[1916] Greenway Apts.

JOHN WILLIAM PIERSON, M. D., *Instructor in Clinical Roentgenology.*
M. D., University of Maryland, 1905; *Assistant Visiting Roentgenologist.*
[1916] 1107 St. Paul St.

GEORGE LEWIS STICKNEY, M. D., *Assistant in Clinical Gynecology.*
M. D., University of Maryland, 1910.
[1916] Latrobe Apts.

RUTH ELDRED FAIRBANK, M. D., *Assistant in Psychiatry.*
A. B., Illinois College, 1911; M. D., Johns Hopkins University, 1916; *Assistant Resident Psychiatrist.*
[1917] The Johns Hopkins Hospital.

PHYLLIS GREENACRE, M. D., *Assistant in Psychiatry.*

S. B., University of Chicago, 1913; M. D., Rush Medical College, 1916; *Assistant Psychiatrist in charge of Laboratory, Phipps Psychiatric Clinic.*

[1917] The Johns Hopkins Hospital.

JOHN EARLE UHLER, A. B., *Instructor in English.*

A. B., Johns Hopkins University, 1913.

[1917] Cedarcroft.

GUY LEE BRYAN, JR., M. C. E., *Instructor in Civil Engineering.*

B. S. in Eng., Johns Hopkins University, 1917, and M. C. E., 1922.

[1918]

HELENE CONNET WILSON, PH. D., *Instructor in Physiology.*

A. B., Goucher College, 1915; Assistant, Johns Hopkins University, 1918 20, and Ph. D., 1920; Sarah Berliner Fellow, 1920-1921.

[1918] 304 W. Monument St.

JACOB COHEN, M. D., *Assistant in Clinical Medicine.*

A. B., Johns Hopkins University, 1908, and M. D., 1912; *Assistant Dispensary Physician.*

[1919] 223 S. Broadway.

ELLIOTT H. HUTCHINS, M. D., *Assistant in Clinical Surgery.*

A. B., St. John's College, 1902, and A. M., 1906; M. D., Johns Hopkins University, 1906; *Assistant Dispensary Surgeon.*

[1919] 2217 St. Paul St.

HARRY M. ROBINSON, M. D., *Instructor in Clinical Medicine.*

M. D., University of Maryland, 1909; *Assistant Dispensary Dermatologist.*

[1919] 405 N. Charles St.

ERNEST LUDWIG ZIMMERMAN, M. D., *Instructor in Clinical Medicine.*

A. B., Dartmouth College, 1912; M. D., Johns Hopkins University, 1916; *Assistant Dispensary Physician.*

[1919] 3 E. Centre St.

ERNEST HOWARD GAITHER, M. D., *Instructor in Clinical Medicine.*

M. D., Baltimore Medical College, 1905; *Assistant Dispensary Physician.*

[1919] 17 W. Biddle St.

EMILE FREDERIC HOLMAN, M. D., *Instructor in Surgery.*

A. B., Leland Stanford University, 1911, and University of Oxford, 1916; M. D., Johns Hopkins University, 1918; *Resident Surgeon.*

[1919] The Johns Hopkins Hospital.

RUTH STOCKING LYNCH, PH. D., *Assistant in Zoology.*

A. B., Goucher College, 1910; Fellow, Bryn Mawr College, 1911 12; Fellow, Johns Hopkins University, 1912 13, and Ph. D., 1915; Palmer Fellow, Wellesley College, 1913-14; Professor of Biology, Agnes Scott College, 1915 16; Acting Professor, Wells College, 1916 17; Assistant Professor of Biology, Carnegie Institute of Technology, 1917-18.

[1919] 918 N. Charles St.

BROADUS MITCHELL, PH. D., *Instructor (Associate Elect) in Political Economy.*

A. B., University of South Carolina, 1913; Fellow, Johns Hopkins University, 1916 17, and Ph. D., 1918.

[1919] Johns Hopkins Club.

WILBURT CORNELL DAVISON, M. D., *Instructor in Pediatrics.*

A. B., Princeton University, 1913; B. A., University of Oxford, 1915, B. Sc., 1916, and M. A., 1919; M. D., Johns Hopkins University, 1917; *Assistant Dispensary Pediatrician.*
1500 E. Chase St.
[1919]

CLYDE ALVIN CLAPP, M. D., *Instructor in Clinical Ophthalmology.*

M. D., University of Maryland and College of Physicians and Surgeons, 1902; *Dispensary Ophthalmologist.*
513 N. Charles St.
[1919]

ROBERT WILKINSON JOHNSON, JR., M. D., *Instructor in Clinical Orthopedic Surgery.*

A. B., Princeton University, 1912; M. D., Johns Hopkins University, 1917; *Assistant Dispensary Surgeon.*
4 E. Madison St.
[1919]

LINDA BARTELS LANGE, M. D., *Instructor in Bacteriology, School of Hygiene and Public Health.*

A. B., Bryn Mawr College, 1903; M. D., Johns Hopkins University, 1911; Fellow, Rockefeller Institute, 1912-14; Instructor, University of Wisconsin, 1915-16; Assistant in Medicine, Johns Hopkins University, 1916-18, and Fellow in Bacteriology, 1918 19.
[1919; 1916] 804 N. Broadway.

JOSEPH EARLE MOORE, M. D., *Instructor in Clinical Medicine.*

A. B., University of Kansas, 1914; M. D., Johns Hopkins University, 1916; *Dispensary Physician.*
330 N. Charles St.
[1919]

ISRAEL WILLIAM NACHLAS, M. D., *Assistant in Clinical Orthopedic Surgery.*

A. B., Johns Hopkins University, 1914, and M. D., 1918.
[1919] 2312 Eutaw Pl.

CHESTER EARL RUTHERFORD, *Assistant in Biometry and Vital Statistics, School of Hygiene and Public Health.*
[1919] 1524 Ellamont St.

HORACE GENTRY STEWART, M. D., *Instructor in Pediatrics.*

S. B., Massachusetts Institute of Technology, 1914; M. D., Johns Hopkins University, 1918; *Resident Pediatrician.*
The Johns Hopkins Hospital.
[1919]

CHARLES COLEMAN THACH, JR., PH. D., *Assistant in History and Political Science.*

S. B., Alabama Polytechnic Institute, 1912, and M. S., 1913; Fellow, Johns Hopkins University, 1917-18, and Ph. D., 1922.
[1919] 2735 Maryland Av.

REGINALD D. WEST, M. D., *Instructor in Clinical Ophthalmology.*

M. D., Baltimore Medical College, 1907; *Dispensary Ophthalmologist.*
[1919] 405 N. Charles St.

HENRY STUART WILLIS, M. D., *Instructor in Medicine.*

A. B., University of North Carolina, 1914; M. D., Johns Hopkins University, 1919, and A. M., 1920; *Assistant Dispensary Physician.* 1923 Park Av.
[1919]

ALAN CHURCHILL WOODS, M. D., *Instructor in Clinical Ophthalmology.*

A. B., Johns Hopkins University, 1910, and M. D., 1914; Assistant, Dept. of Research Medicine, University of Pennsylvania, 1915-19; *Assistant Dispensary Ophthalmologist.* 842 Park Av.
[1919]

WILLIAM GEORGE BROMBACHER, A. M., *Instructor in Physics.*

A. B., Lake Forest College, 1915, and A. M., 1917. 2741 Maryland Av.
[1919]

FRIEDMAN HOLMES CATHRALL, M. D., *Instructor in Obstetrics.*

S. B., Bucknell University, 1914; M. D., Johns Hopkins University, 1918; *Resident Obstetrician.* The Johns Hopkins Hospital.
[1919]

JAY MCLEAN, M. D., *Instructor in Surgery.*

S. B., University of California, 1914; A. M., University of Pennsylvania, 1917, and Girvin Research Fellow, 1916-17; Le Conte Memorial Fellow, University of California, 1917-19; M. D., Johns Hopkins University, 1919; *Assistant Resident Surgeon.* The Johns Hopkins Hospital.
[1919]

HENRY THEODOR WENSEL, A. M., *Instructor in Physics.*

A. B., Washington University, 1917; A. M., Johns Hopkins University, 1920.
[1919] 2819 Windsor Av.

AGNES LATIMER BACON, A. B., *Volunteer Assistant in Biometry and Vital Statistics, School of Hygiene and Public Health.*

A. B., Wellesley College, 1897. 2316 *N. Calvert St.*
[1919]

LESLIE NEWTON GAY, M. D., *Assistant in Clinical Medicine.*

Ph. B., Lafayette College, 1913; M. D., Johns Hopkins University, 1917; *Dispensary Physician.*
[1919] 704 Cathedral St.

FREDERICK WILBUR MEDAUGH, B. OF ENG., *Instructor in Civil Engineering.*

B. of Eng., Vanderbilt University, 1916.
[1919] 313 E. 31st St.

ALVIN GLENWOOD ATHENS, M. D., *Assistant in Gynecology*

A. B., De Pauw University, 1915; M. D., Johns Hopkins University, 1919; *Assistant Resident Gynecologist.*
[1920] The Johns Hopkins Hospital.

DONALD LESLIE AUGUSTINE, S. B., *Assistant in Medical Zoology, School of Hygiene and Public Health.*

S. B., Macalester College, 1918, and Adjunct Professor of Biology, 1919 20.
[1920] 817 N. Charles St.

LAWRENCE HENRY BAKER, PH. D., *Instructor in Greek.*

A. B., Johns Hopkins University, 1917, Fellow, 1919-20, and Ph. D., 1920.
[1920] 1917 Park Av.

ELERY RONALD BECKER, A. B., *Assistant in Medical Zoology, School of Hygiene and Public Health.*

A. B., University of Colorado, 1921. 813 N. Howard St.
[1920]

FREDERICK KELLER BELL, PH. D., *Assistant in Pharmacology.*

A. B., Johns Hopkins University, 1916, and Ph. D., 1920.
[1920] 821 W. Lanvale St.

FREDERICK SUMNER BRACKETT, A. B., *Instructor in Physics.*

A. B., Pomona College, 1918. 2541 St. Paul St.
[1920]

EDWIN NASH BROYLES, M. D., *Instructor in Laryngology.*

S. B., University of Georgia, 1915; M. D., Johns Hopkins University, 1919; *Assistant Dispensary Surgeon (Laryngology).*
[1920] The Johns Hopkins Hospital.

HORTON RYAN CASPARIS, M. D., *Instructor in Pediatrics.*

A. B., University of Texas, 1915; M. D., Johns Hopkins University, 1919; *Pediatrician in charge of Dispensary.* The Johns Hopkins Hospital.
[1920]

NORMAN BROWN COLE, M. D., *Assistant in Clinical Medicine.*

A. B., Harvard University, 1909, and M. D., 1914; *Assistant Dispensary Physician.*
[1920] 1038 N. Calvert St.

THOMAS F. COMBER, JR., S. B. IN C. E., *Instructor in Civil Engineering.*

S. B. in C. E., Massachusetts Institute of Technology, 1914, and Assistant in Civil Engineering, 1914-15.
[1920] 1720 N. Calvert St.

DANIEL CADY DARROW, M. D., *Assistant in Pathology.*

A. B., Cornell University, 1916; M. D., Johns Hopkins University, 1920; *Assistant Resident Pathologist.*
[1920] The Johns Hopkins Hospital.

VENTON L. DOUGHTIE, B. S. IN M. E., *Instructor in Mechanical Engineering.*

B. S. in M. E., University of Texas, 1920, and Assistant in Mechanical Engineering, 1919-1920; Service Engineer of the Westinghouse Electric Company, 1920.
[1920] 311 E. 31st St.

JAMES RALPH DUNN, M. D., *Instructor in Laryngology.*

S. B., Davidson College, 1915; M. D., Johns Hopkins University, 1919; *Assistant Dispensary Laryngologist.* The Johns Hopkins Hospital.
[1920]

WILLIAM THURBER FALES, S. B., *Instructor in Epidemiology, School of Hygiene and Public Health.*

S. B., Massachusetts Institute of Technology, 1917; C. P. H., School of Public Health of Harvard University and the Massachusetts Institute of Technology, 1920. 2938 Clifton Av.

[1920]

ROBERT YOE FECHTIG, M. D., *Instructor in Clinical Ophthalmology.*

M. D., Hahnemann Medical College, 1894; *Assistant Dispensary Ophthalmologist.*

[1920] 29 E. Mt. Vernon Place.

ANDREW COLIN GILLIS, M. D., *Instructor in Clinical Neurology.*

M. D., College of Physicians and Surgeons, Balt., 1904; *Assistant Dispensary Neurologist.* 914 N. Charles St.

[1920]

WATSON WOMACK GRAY, M. D., *Assistant in Obstetrics.*

A. B., Randolph Macon College, 1915; M. D., Johns Hopkins University, 1919; *Assistant Resident Obstetrician.*

[1920] The Johns Hopkins Hospital.

LOUIS HAUSMAN, M. D., *Assistant in Psychiatry.*

A. B., Cornell University, 1912, and M. D., 1916; *Assistant Resident Psychiatrist.*

[1920] The Johns Hopkins Hospital.

LESLIE BENJAMIN HOHMAN, M. D., *Instructor in Psychiatry.*

A. B., University of Missouri, 1912; M. D., Johns Hopkins University, 1917; *Resident Psychiatrist.* The Johns Hopkins Hospital.

[1920]

WALTER HUGHSON, M. D., *Instructor in Anatomy.*

S. B., Princeton University, 1914; M. D., Johns Hopkins University, 1918.

[1920] 1411 Eutaw Place.

ROBERT ALEXANDER JOHNSTON, M. D., *Assistant in Obstetrics.*

S. B., University of Alabama, 1915; M. D., Johns Hopkins University, 1919; *Assistant Resident Obstetrician.*

[1920] [Absent on leave.]

HUGH WILSON JOSEPHS, M. D., *Assistant in Pediatrics.*

A. B., Harvard University, 1914; M. D., Johns Hopkins University, 1919; *Assistant Resident Pediatrician.*

[1920] The Johns Hopkins Hospital.

ETHEL MAY KINNEY, A. M., *Assistant in Bio-Chemistry, School of Hygiene and Public Health.*

A. B., University of Kansas, 1918, Fellow, 1919 20, and A. M., 1920; Research Assistant, University of Wyoming, 1918 19.

[1920] 1709 E. Fairmont Av.

FRANK WOLFERT KOUWENHOVEN, M. E., *Instructor in Mechanical Engineering.*

M. E., Brooklyn Polytechnic Institute, 1916.

[1920] 411 Southway, Guilford.

JOHN HAROLD LAMPE, B. S. IN ENG., *Instructor in Electrical Engineering.*

B. S. in Eng., Johns Hopkins University, 1918.

[1920] 111 N. Fulton Av.

FERDINAND CHRISTIAN LEE, M. D., *Instructor in Anatomy.*

A. B., Cornell University, 1915; M. D., Johns Hopkins University, 1919.

[1920] Owings Mills.

FRANCIS EDWARDS ALOYSIUS LITZ, PH. D., *Instructor in English.*

A. B. St. Mary's University (Balt.), 1912, and A. M., 1914; Fellow, Johns Hopkins University, 1915 16, and Ph. D., 1921.

[1920] 729 E. 20th St.

CHARLES CLIFTON MCCOY, M. D., *Assistant in Pathology.*

S. B., Princeton University, 1915; M. D., Johns Hopkins University, 1920.

[1920] 935 N. Calvert St.

OTTO RUDOLPH ORTMANN, *Instructor in Psychology.*

Instructor, Peabody Conservatory of Music. 1713 E. Fairmount Av.

[1920]

FREDERICK LEET REICHERT, M. D., *Instructor in Surgery.*

Ph. B., Franklin and Marshall College, 1916; M. D., Johns Hopkins, 1920; *Assistant Resident Surgeon.*

[1920] The Johns Hopkins Hospital

LAWRENCE MELVILLE RIDDLE, A. M., *Instructor in French.*

A. B., Johns Hopkins University, 1908, and A. M., 1911; Professor of French, University of Southern California.

[1920] 2742 N. Charles St.

JOSÉ ROBLES Y PAZOS, *Instructor (Associate Elect) in Spanish.*

Bachiller, Instituto de San Isidro, Madrid, 1914; Licenciado en letras, University of Madrid, 1918; Professor of Spanish Literature in the Residencia de estudiantes and Colaborador, Centro de estudios historicos, Madrid, 1918-20.

[1920] 10 W. 25th St.

RAYMOND CLEVELAND SALTER, SC. D., *Instructor in Bacteriology, School of Hygiene and Public Health.*

S. B., University of Wisconsin, 1915; S. M., Iowa State College, 1918; Fellow, Johns Hopkins University, 1919 20, and Sc. D. in Hygiene, 1920; Chief, Bureau of Bacteriology, State Department of Health.

[1920] 1923 Park Av.

DAVID CORBIN STREETT, M. D., *Assistant in Clinical Medicine.*

A. B., Johns Hopkins University, 1908, and M. D., 1912; *Dispensary Physician.*

[1920] 712 Park Av.

JOEL HOWARD SWARTZ, A. B., *Instructor in Geology.*

A. B., Johns Hopkins University, 1915, and Fellow, 1919-20.

[1920] Windsor Mill Rd. and 17th St.

HENRY M. THOMAS, JR., M. D., *Instructor in Clinical Medicine.*

S. B., Haverford College, 1912; M. D., Johns Hopkins University, 1916; *Dispensary Physician.*
1228 Madison Av.
[1920]

SAM FARLOW TRELEASE, PH. D., *Instructor in Plant Physiology.*

A. B., Washington University, 1914; Ph. D., Johns Hopkins University, 1917; Instructor, College of Agriculture, University of the Philippines, 1917-20.
[1920] 2307 N. Charles St.

JOHN LINCK ULRICH, PH. D., *Instructor in Physiology.*

S. B., University of Pennsylvania, 1908; Fellow, Johns Hopkins University, 1912-1913, and Ph. D., 1913; Instructor and Associate Professor of Psychology, Catholic University of America.
906 University Parkway.
[1920]

FREDERICK PATTANGALL UPTON, B. S., *Instructor in Physics.*

B. S., Massachusetts Institute of Technology, 1916.
[1920] Lanham.

WILLIAM DEWITT ANDRUS, M. D., *Assistant in Surgery.*

A. B., Oberlin College, 1916, and A. M., 1917; M. D., Johns Hopkins, 1921.
[1921] 518 N. Broadway.

FRANCIS L. BADAGLIACCA, M. D., *Assistant in Clinical Medicine.*

M. D., University of Maryland, 1921; *Resident Physician.*
[1921] City Hospital, Bay View.

JULIA ERNESTINE BECKER, S. B., *Assitant in Bio-Chemistry, School of Hygiene and Public Health.*

S. B., Cornell University, 1918; U. S. Food Administration, 1918-1919.
[1921] 4015 Brookline Av.

FRANK HERBERT BOONE, M. B., *Assistant in Pediatrics.*

M. B., University of Toronto, 1916; *Assistant Resident Pediatrician.*
[1921] The Johns Hopkins Hospital.

LOUIS HENRY BRAAFLADT, M. D., *Instructor in Pathology.*

A. B., Luther College, 1906; M. A., University of Chicago, 1914; M. D., Rush Medical College, 1916; Instructor in Pathology, Christian University, Shantung, Tsinan, China.
[1921] Linthicum Heights.

LEO BRADY, M. D., *Instructor in Gynecology.*

A. B., Johns Hopkins University, 1913, and M. D., 1917; *Resident Gynecologist.*
[1921] The Johns Hopkins Hospital.

MARY N. BUELL, PH. D., *Assistant in Physiological Chemistry.*

A. B., University of Wisconsin, 1914, A. M., 1915, Ph. D., 1919, Instructor in Physiological Chemistry, 1919-20; Assistant Professor, University of Iowa, 1920-21.
2524 Maryland Av.
[1921]

C. SIDNEY BURWELL, M. D., *Instructor in Medicine.*

A. B., Allegheny College, 1914; M. D., Harvard University, 1919; *Resident Physician; Medical Adviser to Medical Students.*

[1921] The Johns Hopkins Hospital.

BURR NOLAND CARTER, M. D., *Instructor in Surgery.*

A. B., University of Virginia, 1916, and M. D., 1919; *Assistant Resident Surgeon.*

[1921] The Johns Hopkins Hospital.

SAMUEL REED DAMON, PH. D., *Instructor in Bacteriology, School of Hygiene and Public Health.*

Ph. B., A. M. and Ph. D., Brown University, 1916, 1917 and 1921; Assistant Bacteriologist, Rhode Island State Board of Health, 1920 1921; Lecturer in Bacteriology, Clark University, 1921.

[1921] 813 N. Howard St.

HENRY LAURAN DARNER, M. D., *Assistant in Gynecology.*

A. B., Western Maryland College, 1916; M. D., Johns Hopkins University, 1920; *Assistant Resident Gynecologist.* The Johns Hopkins Hospital.

[1921]

FRANCIS RAYMOND DIEUAIDE, M. D., *Assistant in Medicine.*

A. B., College of the City of New York, 1913; M. D., Johns Hopkins University 1920; Bingham Fellow in Medical Research, 1920 1921; *Assistant Resident Physician.* The Johns Hopkins Hospital.

[1921]

RICHARD DRESSER, M. D., *Assistant in Pathology.*

Ph. B., Brown University, 1916; M. D., Johns Hopkins University, 1921.

[1921] 606 N. Broadway.

JOHN GRAHAM EDWARDS, PH. D., *Assistant in Zoology.*

A. B. and A. M., University of Virginia, 1915; Adam T. Bruce Fellow, Johns Hopkins University, 1920 21, and Ph. D., 1921.

[1921] 3125 N. Calvert St.

ELMER BERT FREEMAN, M. D., *Assistant in Clinical Medicine.*

S. B., Austin College (Ill.), 1896; M. D., Baltimore Medical College, 1900.

[1921] 412 Cathedral St.

RALPH KALB GHORMLEY, M. D., *Assistant in Orthopedic Surgery.*

S. B., Whitworth College, 1914; M. D., Johns Hopkins University 1918; *Assistant Resident Surgeon (Orthopedics).* The Johns Hopkins Hospital.

[1921]

MARY GOVER, A. M., *Assistant in Biometry and Vital Statistics, School of Hygiene and Public Health.*

A. B., Goucher College, 1915; A. M., Johns Hopkins University, 1917.

[1921] 307 E. 30th St.

HARRY HUMPHREY HAGGART, M. D., *Assistant in Laryngology.*

A. B., Fargo College, 1914; M. D., Johns Hopkins University, 1921; *Resident House Officer.* The Johns Hopkins Hospital.

[1921]

ROBERT ROGER HANNON, M. D., *Assistant in Medicine.*

S. B., University of Washington, 1915; M. D., Johns Hopkins University, 1920, and Barrett Fellow in Medicine, 1920-21; *Assistant Resident Physician.*

[1921] The Johns Hopkins Hospital.

LEIGHT MONROE HIGGINS, M. D., *Assistant in Laryngology.*

A. B., Ohio State University, 1916; M. D., Johns Hopkins University, 1920; *Resident House Officer.*

[1921] The Johns Hopkins Hospital.

ALFRED BROWNLEY HODGES, M. D., *Assistant in Medicine.*

A. B., Hampden-Sidney College, 1915; M. D., Columbia University, 1919; *Assistant Resident Physician.*

The Johns Hopkins Hospital.

WILLIAM ALBERT HOFFMAN, S. B., *Assistant in Medical Zoology, School of Hygiene and Public Health.*

S. B., Cornell University, 1917; Teaching Fellow, Iowa State College, 1917 1918; Assistant, U. S. Bureau of Entomology, 1918 1920; Assistant State Entomologist, New York, 1920 1921.

[1921] 2118 Penrose Av.

MARY JANE HOGUE, PH. D., *Instructor in Bacteriology.*

A. B., Goucher College, 1905; Ph. D., University of Würzburg, 1909; Fellow in Protozoology, School of Hygiene and Public Health, 1919 1921.

[1921] 821 N. Charles St.

JOHN GARDINER HUCK, M. D., *Instructor in Medicine.*

A. B., Johns Hopkins University, 1913, and M. D., 1918.

[1921] Homewood Apts.

SCHACHNE ISAACS, A. M., *Instructor in Psychology.*

A. B., University of Cincinnati, 1910, and A. M., 1912.

[1921] 710 N. Carrollton Av.

IRMARITA KELLERS, M. D., *Assistant in Medicine.*

A. B., Vassar College, 1916; M. D., Johns Hopkins University, 1921.

[1921] 1228 Madison Av.

CHON EANG LIM, M. B., DR. P. H., *Volunteer Assistant in Immunology, School of Hygiene and Public Health.*

S. B. and M. B., Hong Kong University, 1916; D. T. M., Liverpool School of Tropical Medicine, 1921; Dr. P. H., Johns Hopkins University, 1921.

[1921] 2518 Maryland Av.

RUTH LOVELAND, A.B., *Assistant in Medicine.*

A. B., Wellesley College, 1920; Laboratory Assistant in Chemistry, Wellesley College, 1920-21.

[1921] 14 E. Franklin St.

FRANCIS LUDLOW, A. B., *Assistant in English.*

A. B., Hamilton College, 1918.

[1921] 3222 Abell Av.

JOHN MARTINAGLIA, B. V. SC., M. S., *Assistant in Pathology.*

V. S., Ontario Veterinary College, and B. V. Sc., University of Toronto, 1919; M. S., Cornell University, 1920.

[1921] 716 N. Broadway.

BENJAMIN SIMON NEUHAUSEN, PH. D., *Assistant in Physiology.*

A. B., Johns Hopkins University, 1918, and Ph. D., 1921.

[1921] 722 N. Wolfe St.

ISAAC Y. OLCH, M. D., *Assistant in Pathology.*

Ph. B., Brown University, 1917; M. D., Johns Hopkins University, 1921; *Assistant in Surgical Pathology.*

[1921] The Johns Hopkins Hospital.

IDA WILLIAMS PRITCHETT, A. B., *Instructor in Immunology, School of Hygiene and Public Health.*

A. B., Bryn Mawr College, 1914; Technical Assistant, Rockefeller Institute for Medical Research, 1915 17 and Fellow in Pathology and Bacteriology, 1917-1918; Assistant, Johns Hopkins University, 1918-1919 and Fellow in Immunology, 1919 1921.

[1921; 1918] Homewood Apts.

CURT P. RICHTER, PH. D., *Assistant in Psycho-Biology.*

S. B., Harvard University, 1917, and Assistant in Pathology, 1916-17; Ph. D., Johns Hopkins University, 1921.

[1921] 3401 E. Baltimore St.

WILLIAM FRANCIS RIENHOFF, JR., M. D., *Instructor in Surgery.*

A. B., Cornell University, 1915; M. D., Johns Hopkins University, 1919; *Assistant Resident Surgeon.*

[1921] The Johns Hopkins Hospital.

STANLEY GRAHAM ROSS, M. D., *Assistant in Pediatrics.*

A. B., McGill University, 1910, and M. D., 1913; *Assistant Resident Pediatrician.*

[1921] The Johns Hopkins Hospital.

RANDOLPH TUCKER SHIELDS, M. D., *Assistant in Anatomy.*

A. B., Washington and Lee University, 1898; M. D., Medical College of Virginia, 1901; Dean, Medical Department, University of Nanking, 1910 17; Professor of Histology and Embryology, Shantung Christian University, 1917-21.

[1921] 1327 Bolton St.

ROGER SHORE SIDDALL, M. D., *Assistant in Obstetrics.*

A. B., University of North Carolina, 1916; M. D., Johns Hopkins University, 1920; *Assistant Resident Obstetrician.*

[1921] The Johns Hopkins Hospital.

CHARLES INTERVALE SILIN, A. B., *Assistant in French.*

S. B., Harvard University, 1918.

[1921] The Johns Hopkins Club.

HARRY P. SMITH, M. D., *Assistant in Pathology.*

A. B., University of California, 1916, A. M., 1918, and M. D., 1921; *Assistant Resident Pathologist.*

[1921] The Johns Hopkins Hospital.

GEORGE ADOLPH STEWART, M. D., *Instructor in Clinical Surgery.*

A. B., Johns Hopkins University, 1907, and M. D., 1911; Resident Physician and Surgeon, St. Agnes Hospital, 1911-14; Visiting Surgeon, St. Agnes Hospital; *Assistant Dispensary Surgeon.*

[1921] 2427 Madison Av.

THOMAS C. WHITNER, JR., PH. D., *Instructor in Chemistry.*

B. S., Georgia School of Technology, 1916; Ph. D., Johns Hopkins University, 1920.

[1921] 2419 St. Paul St.

ABEL WOLMAN, B. S. IN ENG., *Assistant in Sanitary Engineering, School of Hygiene and Public Health.*

A. B. and B. S. in Eng., Johns Hopkins University, 1913 and 1915; Division Engineer, Maryland State Department of Health, 1918; Editor, *Journal American Water Works Association.*

[1921] 1911 Eutaw Place.

JOHN BARLOW YOUMANS, M. D., *Assistant in Medicine.*

A. B., University of Wisconsin, 1915, and M. S., 1916; M. D., Johns Hopkins University, 1919; *Assistant in Medicine.*

[1921] 1022 St. Paul St.

ADDITIONAL INSTRUCTORS

COLLEGE COURSES FOR TEACHERS

WILFRED A. BEARDSLEY, PH. D. — *Spanish*

Professor of Romance Languages, Goucher College.

LESLIE C. BEARD, JR., A. B. — *Chemistry*

FRANCES M. BERRY, PH. B. — *Education*

Supervisor, Baltimore Public Schools.

CHAO MING CHEN. — *Chinese*

PHILIP DOUGHERTY, A. M. — *Education*

Head, Department of History and Civics, Baltimore Polytechnic Institute.

RAYMOND P. DOUGHERTY, PH. D. — *Old Testament Literature*

Professor of Biblical Literature, Goucher College.

CARLETON E. DOUGLASS, A. M. — *Education*

Assistant Superintendent of Schools, Baltimore.

VICTOR DULAC, PH. D. — *French*

KATHERINE J. GALLAGHER, PH. D. — *History*

Professor of History, Goucher College.

ALBERT L. HAMMOND, A. B. — *Philosophy*

ANNETTE B. HOPKINS, PH. D. — *English*

Professor of English, Goucher College.

LESLIE H. INGHAM, PH. D. — *Education*

Head, Department of Science, Baltimore City College.

ERNEST P. KUHL, PH. D. — *English*
Professor of English, Goucher College.

ANNA I. MILLER, A. M. — *English*
Assistant Professor of English, Goucher College.

G. ELLIS PORTER, A. B. — *Journalism*
Editorial Staff, *The Evening Sun*, Baltimore.

[Besides 27 members of the University staff]

COURSES IN SOCIAL ECONOMICS

RICHARD A. BOLT, M. D. — *Health and Preventable Diseases*
General Director, American Child Hygiene Association.

CARROLL T. BOND. — *Social Work and Law*
Judge, Supreme Bench, Baltimore.

COURTNEY DINWIDDIE. — *Community Problems and Organization*
Director, National Child Health Council.

FRANCIS LEE DUNHAM, M. D. — *Social Medicine*
Psychiatrist, Maryland Child Labor Commission.

LOUIS LEVIN AND OTHERS. — *Immigrant Peoples*
General Secretary, Federated Jewish Charities, Baltimore.

[Besides 4 members of the University staff]

COURSES IN BUSINESS ECONOMICS

HOWARD A. BARTON — *Principles of Advertising*

J. WALLACE BRYAN, PH. D., LL. B., C. P. A., — *Elementary Accounting*

FRANK A. DEVERELL. — *Railway Accounting*
Assistant Comptroller, Baltimore and Ohio Railroad.

E. LYELL GUNTS, A. B. — *Principles of Advertising*

EVERT C. PALMER. — *Principles of Salesmanship*

GEORGE L. RADCLIFFE, PH. D., LL. B. — *Principles of Suretyship*
Vice President, Fidelity and Deposit Company.

WALTER L. CLARK, LL. B. — *Casualty Insurance*
General Counsel, Maryland Casualty Company

EDWIN T. DICKERSON, A. M., LL. B. — *Commercial Law*
Law School, University of Maryland.

[Besides 6 members of the University staff]

NIGHT COURSES FOR TECHNICAL WORKERS

LESLIE C. BEARD, JR., A. B. — *Chemistry*

FRANK FAHM, JR. — *Civil Engineering*

HENRY C. LOUIS, A. B., M. E. — *Electrical Engineering*

[Besides 9 members of the University staff]

SUMMER COURSES, 1921

ENGLISH BAGBY. PH. D. — *Psychology*
Instructor in Psychology, Yale University.

ALICE E. BARNARD, A. M. — *Education*
Assistant in Secondary Education, Teachers College, Columbia University.

WINEFRED E. BARRETT. — *4th Grade, Demonstration School*
Teacher, Public School No. 51, Baltimore.

LESLIE C. BEARD, JR., A. B. — *Chemistry*
Assistant in Chemistry.

FRANCES M. BERRY, PH. B. — *Education*
Supervisor of Kindergarten Primary, Public Schools, Baltimore.

LLOYD MILLARD BERTHOLF, A. B. — *Biology*
Assistant in Biology.

BEVERLEY W. BOND, JR., PH. D. — *History*
Associate Professor of History, University of Cincinnati.

CORINNE BROWN, A. M. — *Education*
Teacher in Tower Hill School, Wilmington, Del.; Instructor in Primary Methods, University of Delaware.

WILLIAM BURDICK, M. D. — *Education*
Director, Public Athletic League, Baltimore.

DANIEL DA CRUZ, PH. D. — *Spanish*
Assistant Professor of Romance Languages, Miami University.

NIELS H. DEBEL, PH. D. — *Political Science*
Professor of Political Science, Goucher College.

RAYMOND A. DENSLOW, A. B. — *Education*
Teacher of General Science, Physics, and Chemistry, The Scarborough School, Scarborough, New York.

JOHN DENUES. — *Public School Music*
Supervisor of Music, Public Schools, Baltimore.

CARLETON E. DOUGLASS, A. M. — *Education*
Assistant Superintendent, Public Schools, Baltimore.

LIDA B. EARHART, PH. D. *Education*
Professor of Elementary Education, University of Nebraska.

KATHERINE C. ERLMEIER. *5th Grade, Demonstration School*
Teacher, Highlandtown Public School, Baltimore.

AGNES M. FLINN. *Education*
Leader, Public Athletic League; Instructor in Physical Education, The Park School, Baltimore.

GEORGE M. GAITHER. *Manual Training*
Supervisor of Manual Training, Public Schools, Baltimore.

CAROLINE E. GROTE, B. S.
Teacher, Junior High School, Baltimore.
English, Junior High Grades, Demonstration School

HELEN K. GROTE. *3rd Grade, Demonstration School*
Teacher, Public School No. 12, Baltimore.

GEORGE R. HAVENS, PH. D. *French*
Assistant Professor of French, Ohio State University.

ELEANOR C. HEAVEY.
Teacher, Junior High School, Baltimore.
French and Latin, Junior High Grades, Demonstration School

MARGARET L. HIRSCHMAN. *6th Grade, Demonstration School*
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JESSE W. HUBBARD, A. M. *Education*
Professor of Geography, State Normal School, Worcester, Mass.

M. ANTOINETTE KARP. *Education*
Instructor, Washington Junior High School, Rochester, N. Y.

ARTHUR W. KALLOM, A. M. *Education*
Assistant Director, Department of Educational Investigation and Measurement, Boston Public Schools.

BESSIE KLINESMITH.
Teacher, Junior High School, Baltimore.
History, Junior High Grades, Demonstration School

ISABEL LAZARUS. *Kindergarten, Demonstration School*
Kindergarten Teacher, Public School No. 24, Baltimore.

EUGENE B. LINK. *Manual Training*
Instructor in Electricity, Polytechnic Institute, Baltimore.

HOMER P. LITTLE, PH. D. *Geography*
Executive Secretary, Division of Geology and Geography, National Research Council, Washington, D. C.

M. ROSE PATTERSON. *Principal, Demonstration School*
Principal, Public School No. 72, Baltimore.

CHARLES A. PETTIT. *Manual Training*
Instructor in Carpentry and Pattern Shop, Polytechnic Institute, Baltimore.

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Teacher, Hillsdale Public School, Baltimore.

BEULAH E. REGISTER. *Kindergarten Assistant, Demonstration School*
Kindergarten Teacher, Public School No. 73, Baltimore.

WARREN D. RENNINGER, PH. D. *Education*
Professor of History, Central High School, Philadelphia, Pa.

BALLARD D. REMY, A. M. *Education*
Principal, Forest Park Junior High School, Springfield, Mass.

JONATHAN T. RORER, PH. D. *Education*
Head of Department of Mathematics, The William Penn High School for Girls, Philadelphia, Pa.

JAMES E. ROUTH, PH. D. *English*
Lanier Professor of English, Oglethorpe University.

ROSALIE M. SEYMOUR.
Teacher, Junior High School, Baltimore.
Science, Geography and Hygiene, Junior High Grades, Demonstration School

HELEN M. STEGMAN.
Teacher, Junior High School, Baltimore.
Mathematics, Junior High Grades, Demonstration School

ALVIN THALHEIMER, PH. D. *Philosophy*

RAYMOND S. TOMPKINS, LL. B. *Journalism*
Editorial Staff, The Sun, Baltimore.

MILDRED E. TYSON. *2nd Grade, Demonstration School*
Teacher, Public School No. 23, Baltimore.

MAURICE S. H. UNGER, A. M. *Education*
Superintendent of Schools, Carroll County, Md.

FRANCES ZUILL, A. M. *Home Economics*
Supervisor of Home Economics, Public Schools, Baltimore.

[Besides 13 members of the University staff]

LECTURERS

GEORGE HUNTINGTON WILLIAMS MEMORIAL LECTURESHIP

Problems of International Adjustment

PHILIPPE MILLET, Editor of *Le Petit Parisien.*
France.

Baron NAIBU KANDA, Member of the Japanese House of Peers.
Japan.

Admiral TSAI TING KAN, of the Chinese Navy.
China.

Professor ALFRED E. ZIMMERN, of the University College of Wales.
Great Britain; Nationality and Politics. [Two lectures.]

JAMES SCHOULER LECTURESHIP

FRANCIS W. HIRST, of London, England.
Currencies, Deficits, and Armaments of Europe.

HENRY W. NEVINSON, Staff Correspondent of the *Manchester Guardian.*
The Deliverance of Ireland.

Professor JACQUES CAVALIER, Recteur de l'Université de Toulouse.
Les Universités et la renaissance de la vie provinciale en France.
[Three lectures.]

Dr. ERNST COHEN, Professor of Chemistry in the University of Utrecht.
Scientific Work in Holland.

Professor JOSEF STRZYGOWSKI, PH. D., of the University of Vienna.
Origin of Early Christian Church Art.

BEFORE THE FOLLOWING DEPARTMENTS OF INSTRUCTION

Hygiene and Public Health

JOHN S. FULTON, M. D., Secretary, State Board of Health of Maryland.
Public Health.

WILLIAM T. HOWARD, M. D., of Baltimore.
Biometry and Vital Statistics.

CHARLES H. JONES, M. D., Commissioner of Health, Baltimore.
Public Health.

CHARLES E. SIMON, M. D. of Baltimore.
Medical Zoology.

WILLIAM F. SNOW, M. D., General Director, American Social Hygiene Association.
Venereal Diseases.

Biology

JOHN MARVIN LE CATO, A. M.
Bacteriology

Engineering

WILLIAM WATTERS PAGON, M. C. E., of Baltimore.
Structural Engineering.

Medicine

WILLIAM WEBBER FORD, M. D., D. P. H., of the School of Hygiene.
Hygiene.

EVANDER FRANCIS KELLEY, PHAR. D., of Baltimore.
Pharmacy.

DAVID ISRAEL MACHT, M. D., of Baltimore.
Pharmacology.

ARTHUR MARRIOTT SHIPLEY, M. D., of Baltimore.
Clinical Surgery.

CHARLES WARDELL STILES, PH. D., D. SC., LL. D., of the United States Public Health Service.
Medical Zoölogy.

J. STEPHAN VAN DER LINGEN, PH. D., of Cape Town, South Africa.
Bio-Physics.

Political Science

Baron SERGIUS A. KORFF, formerly Professor of Jurisprudence in the University of Helsingfors.
Constitutional Law.

WILLIAM FRANKLIN WILLOUGHBY, A. B., Director of the Institute for Government Research, Washington.
Public Administration.

Terrestrial Magnetism

LOUIS A. BAUER, PH. D., D. SC., Director of the Department of Terrestrial Magnetism, Carnegie Institution of Washington.

Philosophy [For 1922 23]

HERBERT E. CORY, PH. D., formerly Assistant Professor of English Literature, University of California.
Aesthetics.

JOHNSTON SCHOLARS

WILLIAM NORMAN BROWN, Ph. D., *Henry E. Johnston Scholar.*

A. B., Johns Hopkins University, 1912, Fellow, 1913-15, and Ph. D., 1916; Harrison Research Fellow, University of Pennsylvania, 1916-19. *Sanskrit.*

2404 *N. Calvert St.*

RUFUS PERCIVAL HIBBARD, Ph. D., *James Buchanan Johnston Scholar.*

A. B., Williams College, 1899; Ph. D., University of Michigan, 1906; Plant Physiologist, Michigan Agricultural College Experiment Station. *Plant Physiology.*

2 *Roland Av.*

EDWARD HENRY SEHRT, Ph. D., *Henry E. Johnston Jr. Scholar.*

A. B., Johns Hopkins University, 1911, Fellow, 1912-13, and Ph. D., 1915; Instructor, Delaware College, 1915-17; Lecturer, Bryn Mawr College, 1917-18; Professor of Modern Languages, Washington College, Md., 1918 20. *Germanic Philology.*

I. GRADUATE SCHOOL

The Roman numeral signifies year of residence as graduate student

FELLOWS BY COURTESY

RAYMOND PHILIP DOUGHERTY. Baltimore. *Goucher College.*

A. B., Lebanon Valley College, 1897, and A. M., 1903; B. D., Bonebrake Theological Seminary, 1910; Ph. D., Yale University, 1918; Professor of Biblical Literature, Goucher College, 1918—. II. *Semitic Languages.*

RAYMOND P. HAWES. Baltimore. *Goucher College.*

A. B., Brown University, 1912 and A. M., 1913; Ph. D., Cornell University, 1920; Assistant Professor of Philosophy, Goucher College, 1920—. II. *Philosophy.*

WILLIAM GEORGE SEIPLE. Sendai, Japan. 125 *Mosher St.*

A. B., Franklin and Marshall College, 1898, and A. M., 1901; Rayner Fellow, Johns Hopkins University, 1903 04, and Ph. D., 1905. *Semitic Languages.*

FRANKLIN ORION SMITH. Missoula, Mont. 2007 *Maryland Av.*

A. B., State University of Iowa, 1906, A. M., 1907, and Ph. D., 1912; Professor of Psychology and Philosophy, State University of Montana. I. *Psychology.*

SAMUEL N. TAYLOR. Baltimore. 2514 *Maryland Av.*

Ph. B., Wesleyan University, 1887; Ph. D., Clark University, 1896; Professor of Physics, Goucher College, 1911—. I. *Physics.*

(5)

ADAM T. BRUCE FELLOWS

HARRY T. FOLGER. Baltimore. 2112 *Oak St.*

A. B., Indiana University, 1917. III. *Zoology, Chemistry, and Botany.*

SAMUEL WOOD GEISER. Independence, Ia. 2003 *Maryland Av.*

A. B., Upper Iowa University, 1914, and A. M., 1919. III. *Zoology, Plant Physiology, and Paleontology.*

(2)

EDMUND LAW ROGERS FELLOW

CAROL VAN BUREN WIGHT. Chatham, Mass. 2503 *Maryland Av.*

A. B., Johns Hopkins University, 1919, and A. M., 1921. III. *Latin and Greek.*

WILLIAM S. RAYNER FELLOW

OVID ROGERS SELLERS. Lexington, Mo. 220 *Prospect Av.*

A. B., University of Chicago, 1904; B. D., McCormick Theological Seminary, 1915. I. *Semitic Languages.*

DU PONT DE NEMOURS FELLOWS

ARTHUR BENNETT BROWN. Charleston, S. C. 1607 *Linden Av.*
A. B., Charleston College, 1918. IV. *Chemistry, Physical Chemistry, and Mathematics.*

FRANK VIVIAN GRIMM. Tarkio, Mo. 1211 *Linden Av.*
B. S., Tarkio College, 1918. III. *Chemistry, Physical Chemistry, and Mathematics.*

(2)

CHARLES A. W. VOGELER FELLOW

WILLIAM SENER RUSK. Baltimore. 110 *Elmwood Rd.*
A. B., Princeton University, 1915. III. *Classical Archaeology, Latin, and Greek.*

GEORGE PEABODY SCHOLAR

EDWARD EARLE FRANKLIN. Westminster. *Y. M. C. A.*
A. B., Western Maryland College, 1921. I. *Education, Psychology, and English.*

WILLIAM H. GRAFFLIN SCHOLAR

JAMES EDWIN SHARP. Prairie Grove, Ark. 1320 *Linden Av.*
B. S., University of Arkansas, 1917; Assistant, Johns Hopkins University, 1920 21, and Ph. D., 1921. IV. *Chemistry, Physical Chemistry, and Mineralogy.*

OTHER GRADUATE STUDENTS IN PHILOSOPHY

WARREN WRIGHT ALMY. Baltimore. *Mt. Washington.*
A. B., Johns Hopkins University, 1921. I. *Philosophy, English, and Education.*

VIOLET TENNY BABCOCK. New York City. 2242 *Pennsylvania Av.*
A. B., Vassar College, 1920. II. *Political Economy.*

TRAVIS BADER. Baltimore. *Red Cross Inst.*
A. B., Goucher College, 1918. II. *English.*

FRANCES ELIZABETH BALDWIN. Baltimore. 147 *W. Lanvale St.*
A. B., Goucher College, 1920. II. *History, Political Science, and Political Economy.*

EARLE HERBERT BARCLAY. Portsmouth, Va. 1609 *Linden Av.*
Ch. E., University of Virginia. III. *Chemistry, Physical Chemistry, and Physics.*

ARTIE FLEET BARRIER. Danville, Va. 2609 *N. Charles St.*
B. S., Roanoke College, 1921. I. *Chemistry, and Physical Chemistry.*

LESLIE CARRINGTON BEARD, JR. Hagerstown. 1120 *Linden Av.*
A. B., Johns Hopkins University, 1919. III. *Chemistry, Physical Chemistry, and Bacteriology.*

GRACE HADLEY BEARDSLEY (Mrs.). Baltimore. 416 *Forest Rd.*
A. B., Vassar College, 1917; A. M., Johns Hopkins University, 1921. III. *Classical Archaeology.*

THOMAS MORRIS BERRY. Baltimore. 2005 *Guilford Av.*
B. S. in Chem., Johns Hopkins University, 1920. II. *Chemistry.*

LLOYD MILLARD BERTHOLF. Spivey, Kansas. 2648 *Maryland Av.*
A. B., Southwestern College, 1921. II. *Zoology.*

HAROLD CLYDE BINGHAM. Washington, D. C.
A. B., Ellsworth College, 1910; A. M., Harvard University, 1912. I. *Psychology and Philosophy.*
710 *Varnum St.* (*Wash.*).

STANLEY ROBERTS BLACK. Waterville, Me. 8 *St. John's Rd.*
A. B., Colby College, 1921. I. *Political Economy, History, and Political Science.*

MARGARET DONALDSON BOEHM. Baltimore. *Roland Park.*
B. S., Johns Hopkins University, 1920. II. *Philosophy, Psychology, and Biology.*

RAY BOND. Macon, Ga. 118 *W. 22nd St.*
B. S., Columbia University, 1916. I. *Chemistry, Physical Chemistry, and Mathematics.*

BERTHA M. BOODY. Brookline, Mass. 2712 *Maryland Av.*
A. B., Radcliffe College, 1899; A. M., Columbia University, 1912. I. *Psychology and Archaeology.*

FREDERICK SUMNER BRACKETT. Claremont, Cal. 2541 *St. Paul St.*
A. B., Pomona College, 1918; Instructor, Johns Hopkins University, 1920—. II. *Physics.*

HERBERT WHITTAKER BRIGGS. Baltimore. 1402 *Madison Av.*
A. B., West Virginia University, 1921. I. *Political Science, Political Economy, and History.*

OTTO WASHINGTON BRITTINGHAM. Baltimore. 3021 *Frederick Av.*
A. B., Johns Hopkins University, 1921. I. *Psychology, History, and Political Science.*

ANGELA MARIE BROENING. Baltimore. 16 *W. Lee St.*
A. B., Goucher College, 1919. II. *Education.*

WILLIAM GEORGE BROMBACHER. Chicago, Ill. 2741 *Maryland Av.*
A. B., Lake Forest College, 1915, and A. M., 1917; Instructor, Johns Hopkins University, 1919—. III. *Physics and Mathematics.*

OWENS HAND BROWNE. Raleigh, N. C. 1439 *Mt. Royal Av.*
B. S., North Carolina State College, 1921. I. *Chemistry.*

DAVID BRUNSWICK. Baltimore. 33 *E. Mt. Vernon Pl.*
A. B., Johns Hopkins University, 1921. I. *Psychology, Physiology, and Psychiatry.*

FELIX SAMPER CABELLO. Baltimore. *Johns Hopkins Club.*
A. B., University of Madrid, 1900. III. *Romance Languages.*

KEE CHAO. Shantung, China. 2635 *Maryland Av.*
A. B., National University of Peking, 1917. I. *Psychology and Biology.*

JOHN THOMAS CHAPPELL. Hamptonville, N. C. 233 *W. Lanvale St.*
B. S., Guilford College, 1913. III. *Chemistry, Physical Chemistry, and Mathematics.*

WALTER LYNN CHENEY. Washington, D. C.
A. B., Oberlin College, 1913; A. M., University of Nebraska, 1915. II. *Physics, Applied Mathematics, and Pure Mathematics.*
427 *Irving St.* (*Wash.*).

JOHN MORGAN CLAYTON. Cambridge. 2727 *Maryland Av.*
A. B., Western Maryland College, 1921. I. *Political Science and Political Economy.*

GEORGE WILLARD CORB. Memphis, Tenn. 702 *N. Gilmor St.*
A. B., Emory University, 1918, and A. M., 1921. I. *Psychology.*

ESTHER INEZ COLDWELL. Oxford, Kansas. 315 *E. 31st St.*
A. B., Southwestern College, 1915. VII. *Zoology.*

ROBERT E. LEE COLLINS. Baltimore. *Mt. Washington.*
A. B., Johns Hopkins University, 1921. I. *Geology, Paleontology, and Biology.*

HERBERT ELLSWORTH CORY. Baltimore. 2801 *W. North Av.*
A. B., Brown University, 1906; Ph. D., Harvard University, 1910. II. *Psychology and Biology.*

DOUGLAS COULTER. Baltimore. 823 *N. Charles St.*
A. B., Johns Hopkins University, 1921. I. *Geology, Paleontology, and Chemistry.*

RICHARD THRELKELD COX, JR. Baltimore. *Cecil Apartments.*
A. B., Johns Hopkins University, 1920. I. *Physics and Mathematics.*

ESTHER JOSEPHINE CROOKS. Ravenswood, W. Va.
Ph. B., Denison University, 1909; A. M., Johns Hopkins University, 1921. V. *Romance Languages.*
2530 *N. Charles St.*

LYDIA MARGARETTA CULVER. Baltimore. 1643 *Ellamont St.*
A. B., Goucher College, 1921. I. *Political Economy.*

MILDRED ELIZABETH DAY. Baltimore. 3123 *N. Calvert St.*
A. B., Goucher College, 1920. II. *Psychology, Biology, and Philosophy.*

ALFRED WILLIS DEARING. Washington, D. C. 822 *N. Eutaw St.*
B. S., Virginia Military Institute, 1921. I. *Chemistry.*

RYLAND NEWMAN DEMPSTER. Baltimore. 817 *N. Fremont Av.*
B. S. in Eng., Johns Hopkins University, 1918, and Assistant Registrar, 1920—. III. *Education.*

CHARLES REILLY DOBBINS. Trenton, N. J. 2719 *Oak St.*
B. S., Gallaudet College, 1921. I. *Chemistry.*

DAVID ROOP DOTTERER. New Windsor. *Y. M. C. A.*
A. B., Blue Ridge College, 1917. II. *Chemistry.*

JOHN GRAY DOUGLAS. Baltimore. 830 *W. North Av.*
A. B., Johns Hopkins University, 1921. I. *Geology, Paleontology, and Biology.*

ALICE JOUVEAU DUBREUIL. Baltimore. 14 *E. 25th St.*

A. B., Cornell University, 1906; A. M., Johns Hopkins University, 1913. V. *English, French, and Philosophy.*

HILDA NORTH DULAC (Mrs.), Baltimore. *University Apts.*

A. B., George Washington University, 1920. II. *Archaeology, Education, and History.*

IDELLA VIRGINIA DUVALL. Annapolis. 2615 *Maryland Av.*

A. B., Randolph Macon Woman's College, 1920. I. *Political Economy.*

NORMAN FITZHUGH EBERMAN. Baltimore. 124 *Overland Av.*

B. S., Franklin and Marshall College, 1919; M. S., University of Maine, 1921. I. *Chemistry and Mathematics.*

JAMES BRIAN EBY. Baltimore. 2530 *N. Charles St.*

A. B., Johns Hopkins University, 1918. IV. *Geology, Paleontology, and Physical Chemistry.*

HUGH LATIMER ELDERDICE, JR. Carroll Co. *Westminster.*

A. B., Western Maryland College, 1917. II. *Chemistry.*

GEORGE HEBERTON EVANS, JR. Baltimore. 919 *Cathedral St.*

A. B., Johns Hopkins University, 1920. II. *Political Economy, Political Science, and Psychology.*

ELIHU EVENCHICK. Baltimore. 2007 *Bolton St.*

Ph. G., Brooklyn College of Pharmacy, 1918; B. S., Ohio State University, 1921. I. *Political Economy.*

ABRAHAM FEDDER. Baltimore. 724 *Newington Av.*

A. B., Johns Hopkins University, 1921. I. *Political Economy, Political Science, and History.*

ABRAHAM LEONARD FINESINGER. Baltimore. 2518 *Keyworth Av.*

A. B., Johns Hopkins University, 1921. I. *Psychology, Biology, and Greek.*

SOL BARUCH FINESINGER. Baltimore. 2518 *Keyworth Av.*

A. B., Johns Hopkins University, 1921. I. *Semitic Languages.*

DUNCAN GRAHAM FOSTER. Boston, Mass. 1910 *Mt. Royal Av.*

A. B., Harvard University, 1918, and A. M., 1921. I. *Chemistry.*

KEENER CHAPMAN FRAZER. Evergreen, Ala. 2639 *Guilford Av.*

A. B., Wofford College, 1920; A. M., University of North Carolina, 1921. I. *History and Political Science.*

CARROLL EIKER FRENCH. Monmouth, Ill. 2721 *N. Charles St.*

A. B., Monmouth College, 1916. III. *Political Economy, Political Science, and Psychology.*

CLARENCE EUGENE GARLAND. Crandull, Tenn. 5 *W. 27th St.*

A. B., Emory and Henry College, 1918. II. *Chemistry, Physical Chemistry, and Mathematics.*

FRANCIS JOSEPH GERST. Cincinnati, O. *Loyola College.*

A. B., St. Xavier College, 1902; A. M., St. Louis University, 1908, and M. S., 1920. I. *Mathematics.*

PHARES B. GIBBLE. Baltimore. 112 *W. Conway St.*
A. B., Lebanon Valley College, 1915; B. D., Bonebrake Theological Seminary, 1918. II. *Semitic Languages.*

RALEIGH GILCHRIST. Great Falls, Mont. 31 *E. Mt. Vernon Pl.*
A. B., University of Montana, 1915. II. *Chemistry.*

ISABEL MOSELEY GODWIN. Richmond, Va. 2611 *Maryland Av.*
A. B., Sweet Briar College, 1921. I. *Latin, French, and Greek.*

PHILIP FREDERICK GOTTLING. Baltimore. 824 *Harlem Av.*
B. E., Johns Hopkins University, 1919. II. *Physics and Mathematics.*

THOMAS BROOKS GRAVE. Baltimore. 500 *W. 33rd St.*
A. B., Johns Hopkins University, 1919. III. *Chemistry, Physical Chemistry, and Pharmacology.*

LILY DEXTER GREENE. Columbia, Mo. 2930 *Guilford Av.*
Ph. B., De Pauw University, 1893; A. M., Boston University, 1902. II. *Sanskrit.*

CLARENCE EDWIN GREIDER. Baltimore. 1511 *N. Monroe St.*
B. S., Washburn College, 1920; M. S., State University of Iowa, 1921. I. *Chemistry.*

BARTOW GRIFFISS. Baltimore Co. *Pikesville.*
A. B., Johns Hopkins University, 1920. II. *Political Economy, Political Science, and Psychology.*

ARTHUR GROLLMAN. Baltimore. 2520 *McCulloh St.*
A. B., Johns Hopkins University, 1920. II. *Chemistry, Physcial Chemistry, and Mineralogy.*

FREDERICK CHARLES HAHN. Springfield, Ill. 837 *Hamilton Terr.*
B. S. in Chem. Eng., University of Illinois, 1916, and M. S., 1917. I. *Chemistry and Physical Chemistry.*

CLAYTON MORRIS HALL. Baltimore Co. *Ruxton.*
A. B., Johns Hopkins University, 1918. III. *Latin, Archaeology, and Greek.*

GEORGE MARTIN HALL. Baltimore. 511 *E. 38th St.*
A. B., Johns Hopkins University, 1915. V. *Geology and Physical Chemistry.*

EDWARD HAMME. Baltimore. 1511 *Hanover St.*
A. B., Pennsylvania College, 1909; B. D., Central Theological Seminary (Ohio), 1912. III. *Semitic Languages.*

CLARA VIRGINIA HARTFIELD. Jackson, Miss. 13 *E. Read St.*
A. B., Hollins College, 1921. I. *History, Political Science, and Political Economy.*

RAYMOND HOLDEN HASELTINE. Waterbury, Vt. *Lansdowne.*
A. B., Johns Hopkins University, 1921. I. *Geology.*

MARY JANE HILLE. Jasper, Mo. 7 *E. 27th St.*
B. S., Johns Hopkins University, 1921. I. *Psychology.*

WILLIAM SAMUEL HOFFMAN. Baltimore. 627 *S. Broadway.*
A. B., Johns Hopkins University, 1918. IV. *Chemistry, Physical Chemistry, and Mathematics.*

JOHN EDWARD HOFFMEISTER. Baltimore. *Alto and Lyndhurst Aves.*
A. B., Johns Hopkins University, 1920. II. *Geology.*

ELMER RHODES HOKE. Frederick Co. *Frederick.*
A. B., Franklin and Marshall College, 1913, and A. M., 1914; B. D., Lancaster Theological Seminary, 1917; A. M., Johns Hopkins University, 1920. III. *Education, Psychology, and Philosophy.*

CHRISTIAN VANDEGRIFT HOLLAND. Eastville, Va. 325 *Roland Av.*
Ch. E., University of Virginia, 1921. I. *Chemistry, Physical Chemistry, and Physics.*

JAMES QUINTER HOLSOPPLE. Hagerstown. 514 *Woodlawn Rd.*
A. B., Juniata College, 1920. I. *Psychology, Zoology, and Applied Psychology.*

HAROLD STEPHENS HOLT. Fargo, N. Dak. 2113 *Bolton St.*
B. S., North Dakota Agricultural College, 1919; A. M., Harvard University, 1921. I. *Chemistry and Physical Chemistry.*

EVERETTE RUSH HOPKINS. McGaheysville. Va. 2436 *Maryland Av.*
B. S. in Chem., University of Virginia, 1921. I. *Chemistry.*

RUDOLF DUIKER HOSPERS. Holland, Mich. 2720 *Oak St.*
A. B., Hope College, 1919. I. *Zoology and Botany.*

CHARLES HUNTINGTON HOWARD. Miami, Fla. 2618 *N. Calvert St.*
B. S., Spring Hill College (Ala.), 1918. III. *Chemistry, Physical Chemistry, and Bacteriology.*

PAO CHAO HSIEH. Canton, China. 2518 *Maryland Av.*
A. B., Johns Hopkins University, 1920. II. *Political Science, Political Economy, and History.*

ARCHIBALD STUART HUNTER. Springfield, Mass. 1203 *Madison Av.*
B. S. in Chem., Norwich University, 1920. I. *Chemistry.*

LEE M. HUTCHINS. Fennville, Mich. 3014 *N. Calvert St.*
B. S., Michigan Agricultural College, 1913. IV. *Plant Physiology.*

SCHACHNE ISAACS. Cincinnati, O. 701 *N. Carrollton Av.*
A. B., University of Cincinnati, 1910, and A. M., 1912; Instructor, Johns Hopkins University, 1921—. I. *Psychology, Education, and Philosophy.*

JOSEPH SEBASTIAN JOLIAT. St. Louis, Mo. *Loyola College.*
A. B., St. Louis University, 1910, A. M., 1911, and M. S., 1912. I. *Chemistry, Physical Chemistry, and Mineralogy.*

BERNARD CORR JONES. Bryn Mawr, Pa. 658 *Ethelwood Av.*
A. B., Stanford University, 1921. I. *Philosophy and Psychology.*

WALTER BRYAN JONES. Huntsville, Ala. *Johns Hopkins Club.*
A. B., University of Alabama, 1918, and A. M., 1920. I. *Geology.*

LEWIS BURNETT KELLUM. Baltimore. 2633 *N. Charles St.*
A. B., Johns Hopkins University, 1919. I. *Geology.*

THOMAS PAUL KELLY. Baltimore. 1542 *N. Broadway.*
A. B., Loyola College, 1920. II. *Geology and Chemistry.*

FRIEDA KENYON. Kew Gardens, N. Y. *Washington, D. C.*
B. S., Barnard College, 1918. II. *Physics.*

MARTHA LOUISE KERN. Lexington, Va. 1208 *Madison Av.*
A. B., Randolph Macon Woman's College, 1918. I. *Romance Languages.*

GARBIS HOVANNES KEULEGAN. Washington, D. C.
A. B., Anatolia College, 1913; A. M., Ohio State University, 1915. I. *Mathematics.*
Bureau of Standards.

LUELLA EDITH KIEKHOFER. Chicago, Ill. 698 *Gladstone Av.*
Ph. B., Northwestern College, 1901, and Ph. M., 1904. III. *Romance Languages.*

BERNHARD KURRELMEYER. Baltimore. 1529 *Linden Av.*
A. B., Johns Hopkins University, 1921. I. *Physics, Chemistry, and Mathematics.*

LORNA ISABELLA LAVERY. New York, N. Y. 2724 *Maryland Av.*
A. B., University of Chicago, 1916. I. *Romance Languages.*

ELNORA MARGARET LAWTON. Baltimore. 2636 *Maryland Av.*
A. B., Goucher College, 1916. III. *English.*

JOHN MARVIN LECATO. Anne Arundel Co. *Harman.*
A. B., University of Michigan, 1913; A. M., University of Illinois, 1915; Lecturer, Johns Hopkins University, 1921—. I. *Botany, Zoology, and Medical Zoology.*

JOSEPH LEVY. Brooklyn, N. Y. 323 *Whitridge Av.*
B. S., College of the City of New York, 1921. I. *Zoology, Chemistry, and Bio Physics.*

RAPHAEL LEVY. Baltimore. 906 *Newington Av.*
A. B., Johns Hopkins University, 1920. II. *Romance Languages.*

BRUCE LINEBURG. Baltimore. 3654 *Old York Rd.*
A. B., Ohio University, 1915. I. *Zoology and Botany.*

MARGUERITE BRENNAN LIVINGSTON (Mrs.) Balt. *The Cambridge.*
B. S., Syracuse University, 1919. II. *Plant Physiology.*

JAMES SCOTT LONG. Baltimore. 1120 *Linden Av.*
Ch. E., Lehigh University, 1915, and M. S., 1915. I. *Chemistry and Physics.*

FRANCIS LUDLOW. Deposit, N. Y. 3222 *Abell Av.*
A. B., Hamilton College, 1918. I. *English, French, and Germanic Philology.*

HARRY BOYD MARIS. Melbourne, Fla. *Dundalk.*
A. B., University of Michigan, 1910, and M. S., 1911. II. *Physics and Mathematics.*

RUTH ELIZABETH MEETH. Baltimore. 3507 *Liberty Hgts. Av.*
A. B., Goucher College, 1918. I. *Political Economy.*

KARL MELAMET. Baltimore. *Hamlyn Apts.*
A. B., Johns Hopkins University, 1916. I. *German Literature, Germanic Philology, and French.*

ROBERT GRAFF MERRICK. Baltimore. *Johns Hopkins Club.*
A. B., Johns Hopkins University, 1917. III. *Political Economy, Political Science, and Psychology.*

META HELENA MILLER. Baltimore. 4210 *Vermont Av.*
A. B., Goucher College, 1917; A. M., Johns Hopkins University, 1919. III. *Romance Languages.*

JOHN MONCURE. Baltimore Co. *Lutherville.*
A. B., Richmond College, 1905; Th. M., Southern Baptist Theological Seminary, 1908. II. *Semitic Languages.*

LUCIUS TERRELL MOORE. Culverton, Ga. 2639 *Guilford Av.*
B. S., Emory University, 1921. I. *Mathematics, Biology, and Applied Mathematics.*

ELIZABETH MORRISSY. Elkhorn, Wis. 3105 *N. Calvert St.*
A. B., Beloit College, 1908. II. *Political Science and History.*

CARRIE GUTMAN MOSES (Mrs.). Baltimore. 1803 *Eutaw Pl.*
Chemistry.

DONALD STUART MOSSOM. Baltimore. 103 *W. Saratoga St.*
A. B., Johns Hopkins University, 1921. I. *Geology, Mineralogy, and Biology.*

CHARLES ELLSWORTH MOYLAN. Gainsville. 2525 *N. Calvert St.*
A. B., Western Maryland College, 1917. I. *Political Science and Political Economy.*

EVERETT CLARK MYERS. Euclid, O. 2825 *N. Calvert St.*
A. B., Western Reserve University, 1921. I. *Zoology, Botany, and Psychology.*

TOMIO NAKANO. Sapporo, Japan. 2751 *Maryland Av.*
Waseda University, 1916. IV. *Political Science, History, and Political Economy.*

LOUIS HASTINGS NAYLOR. Baltimore Co. *Pikesville.*
A. B., Johns Hopkins University, 1917. II. *Romance Languages.*

SIDNEY STEVENS NEGUS. Baltimore. 1222 Madison Av.
A. B., Clark University, 1913; A. M., Harvard University, 1917. I. *Chemistry.*

EDITH EVELYN NICHOLLS. Williamsburg, Mass. 3409 *Guilford Av.*
A. B., Smith College, 1919. I. *Psychology.*

WILLIAM RUGGLES NORRIS. Rock Hill, S. C. 256 *Robert St.*
B. S., Davidson College, 1914. III. *Chemistry, Physical Chemistry, and Mathematics.*

ARTHUR EDWARD OWENS. Syracuse, N. Y. *Y. M. C. A.*
B. S., Syracuse University, 1918. I. *Chemistry, Physical Chemistry, and Mathematics.*

LILLIAN PASTERNAK. Baltimore. 2325 *Maryland Av.*
A. B., Goucher College, 1920. I. *Political Economy.*

LOUISE ETHELWIN PICKELL. Hollywood, Cal. 708 *St. Paul St.*
A. B., Smith College, 1912. II. *Political Economy.*

MARGARET LAURA POTTER. Rocky River, O. 2735 *Maryland Av.*
A. B., Oberlin College, 1915. II. *Psychology.*

WALTER CREIGH PRESTON. Lewisburg, W. Va. 708 *St. Paul St.*
A. B., Washington and Lee University, 1915. III. *Chemistry.*

ALICE DUDEK PRICE. Aberdeen. 2623 *N. Calvert St.*
A. B., Goucher College, 1917. I. *English.*

OSBORNE ROBINSON QUAYLE. Wilmington, Del. 2113 *Bolton St.*
A. B., Swarthmore College, 1919; A. M., Harvard University, 1921. I. *Chemistry.*

BRUCE HAMPTON REDDITT. Columbia, La. 2620 *Maryland Av.*
A. B., Randolph-Macon College, 1910. IV. *Mathematics.*

ASHTON FARNHAM RICHARDSON. Fairfield, Me. 2652 *Maryland Av.*
B. S., Colby College, 1921. I. *Geology, Biology, and Paleontology.*

LAWRENCE MELVILLE RIDDLE. Baltimore. 2742 *N. Charles St.*
A. B., Johns Hopkins University, 1908, A. M., 1911, and Instructor, 1920—. V. *Romance Languages.*

JOSEPH KENT ROBERTS. Saltville, Va. 5 *W. 27th St.*
A. B., Emory and Henry College, 1910; A. M., Johns Hopkins University, 1915. IV. *Geology, Paleontology, and Biology.*

MARY BUCK ROWE (Mrs.). Baltimore. 7 *E. 27th St.*
A. B., Randolph-Macon Woman's College, 1918. II. *Romance Languages.*

ARTHUR EDWARD RUARK. Baltimore. 6010 *Henderson Av.*
A. B., Johns Hopkins University, 1921. I. *Physics and Mathematics.*

LEON ROBERT SAIONTZ. Baltimore. 813 *E. Baltimore St.*
A. B., Johns Hopkins University, 1920. II. *Political Economy.*

GOTTLIEB SCHAENZLIN. Botkins, O. 2618 *Oswego Av.*
A. B., Baldwin-Wallace College, 1905; A. M., Johns Hopkins University, 1921. III. *Sanskrit.*

MARK HOWARD SECRIST. Hanover, Pa. 5 *W. 27th St.*
A. B., Pennsylvania College, 1918. III. *Geology.*

RAPHAEL SEMMES. Baltimore. 1534 *Bolton St.*
A. B., Princeton University, 1912; LL. B., Harvard University, 1916. II. *History, Political Science, and Political Economy.*

ARCHIE D. SHAFTESBURY. St. John, Kansas. 2652 *Maryland Av.*
A. B., Southwestern College, 1920. II. *Zoology and Botany.*

EDWIN HERBERT SHAW, JR. Baltimore. 2200 *Poplar Grove St.*
B. S. in Chem., Johns Hopkins University, 1921. I. *Chemistry, Physical Chemistry, and Bacteriology.*

CHARLES INTERVALE SILIN. Boston, Mass. *Johns Hopkins Club.*
B. S., Harvard University, 1921; Assistant, Johns Hopkins University, 1921—. I. *Romance Languages.*

NINA SIMMONDS. Fortuna, Wis. 511 *N. Wolfe St.*
B. S., University of Wisconsin, 1915; Associate, Johns Hopkins University, 1920—. V. *Bio Chemistry.*

ROGER HULL SINDEN. Cañon City, Colo. 2652 *Maryland Av.*
A. B., Colorado College, 1918. I. *Physics.*

CHARLES HANNORD SKALET. Ulen, Minn. 2400 *St. Paul St.*
A. B., Luther College, 1919. II. *History and Classical Archaeology.*

GEORGE WILLIAM SMALL. Baltimore. *Mt. Washington.*
A. B., University of Tennessee, 1916; A. M., Johns Hopkins University, 1921. III. *English, French, and German.*

WALTER ROY SMITH. Greensboro. 3050 *Abell Av.*
A. B., Johns Hopkins University, 1920. II. *Geology, Economic Geology, and Chemistry.*

*WALTER SCOTT SMOOT. Washington. *Washington.*
A. B., University of Virginia, 1921. I. *History, Political Science, and Political Economy.*

SAMUEL WALTER SPARKS. Baltimore. 4505 *Maine Av.*
A. B., Washington College, 1909. II. *Education.*

SELDEN P. SPENCER, JR. Shaklung, China. *Washington, D. C.*
A. B., Yale University, 1912; A. M., Washington University, 1916. I. *Psychology, English, and Applied Psychology.*

WALTER WHITE STEFFEY. Rural Retreat, Va. 1528 *Linden Av.*
A. B., Emory and Henry College, 1913. III. *Physics.*

WILLIAM LOUIS STRAUS, JR. Baltimore. *Alhambra Apts.*
A. B., Johns Hopkins University, 1920. II. *Zoology, Paleontology, and Geology.*

PHILIP SUBKOW. Bethlehem, Pa. 2742 *Maryland Av.*
Ch. E., Lehigh University, 1920, and M. S., 1921. I. *Physical Chemistry and Physics.*

HITOSHI SUZUKI. Sakashita-mura, Japan. 106 *W. 24th St.*
Master of Commerce, Meiji University (Japan), 1920. I. *Political Economy.*

FRANK MCKIM SWARTZ. Baltimore. *Windsor Park.*
A. B., Johns Hopkins University, 1921. I. *Geology, Paleontology, and Biology.*

CHARLES SACKETT SYDNOR. Charlestown, W.Va. 2528 *Maryland Av.*
A. B., Hampden Sidney College, 1918. II. *History, Philosophy, and Greek.*

YASUO TAKETOMI. Hakodate, Japan. 891 *N. Howard St.*
A. B., Waseda University. II. *Political Economy.*

ELIZABETH TAPPAN. Baltimore. 1419 *Bolton St.*
A. B., Bryn Mawr College, 1910. II. *Latin, Greek, and Archaeology.*

ROGER KIRKBRIDE TAYLOR. Baltimore. *Gilman Apts.*
A. B., Johns Hopkins University, 1920. I. *Chemistry.*

RUTH TINGLEY. Baltimore. 64 *Roland Av.*
A. B., Goucher College, 1914. I. *Political Economy.*

EDITH TOTTEN. Baltimore. *The Latrobe.*
A. B., Bryn Mawr College, 1902; A. M., Columbia University, 1919. *Psychology and Psychiatry.*

JOHN EARLE UHLER. Baltimore. *Cedarcroft.*
A. B., Johns Hopkins University, 1913, and Instructor in English. II. *English, French, and Philosophy.*

FREDERICK PATTANGALL UPTON. Prince George Co. *Lanham.*
B. S., Massachusetts Institute of Technology, 1916; Instructor, Johns Hopkins University, 1920—. II. *Physics.*

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* Died December 19, 1921.

TOMI WADA. Chofu, Japan. 512 *N. Broadway.*
A. B., Women's University of Japan, 1917; A. M., Columbia University, 1921. II. *Psychology.*

WILLIAM ROBERT WALDRON. New Germantown, N. J.
A. B., Cornell University, 1917. II. *Chemistry.*
31 *E. Mt. Vernon Pl.*

GING HSI WANG. Shantung, China. 1209 *N. Broadway*
A. B., National University of Peking, China, 1919. II. *Psychology.*

THOMAS JACOB SHRYOCK WAXTER. Baltimore. *Tuscany Apts.*
B. S., Princeton University, 1921. I. *Political Science and History.*

ALBERT KATZ WEINBERG. Baltimore. *Pikesville.*
A. B., Columbia University, 1920. I. *Philosophy and Psychology.*

HENRY THEODOR WENSEL. Baltimore. 2819 *Windsor Av.*
A. B., Washington University, 1917; A. M., Johns Hopkins University, 1920, and Instructor, 1919—. III. *Physics and Mathematics.*

WARREN REED WEST. Washington, D. C. *Washington.*
A. B., George Washington University, 1918. III. *History.*

ANNA MARIE WHELAN. Baltimore. 1412 *W. Mulberry St.*
A. B., Goucher College, 1918. III. *Mathematics.*

MARGARET KATHRYN WHISTLER. Bel Air. 2745 *N. Calvert St.*
A. B., Goucher College, 1921. I. *Political Economy.*

WILLARD ALEXANDER WHITESELL. Dunkirk. 1615 *Eutaw Pl.*
A. B., Randolph Macon College, 1918. III. *Chemistry, Physical Chemistry, and Physics.*

VERTREES JUDSON WYCKOFF. Baltimore. 1325 *Madison Av.*
A. B., Johns Hopkins University, 1920. II. *Political Economy, Political Science, and Psychology.*

TSIN SHENG YANG. Dungchowfoo, China. 2625 *Maryland Av.*
A. B., National University, Peking, 1918. I. *Psychology, Physiology, and Neurology.*

ELEANOR FRANCES FRIEDA YEAWORTH. Baltimore. 6237 *Bellona Av.*
B. S., Johns Hopkins University, 1921. I. *Semitic Languages.*

CONWAY ZIRKLE. Staunton, Va. 2720 *Oak St.*
B. S., University of Virginia, 1920, and M. S., 1921. I. *Botany, Plant Physiology, and Chemistry.*

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PART–TIME STUDENTS

CHARLES EDWIN ADAMS. Baltimore. 3212 *Gwynn Oak Av.*
Ph. B., University of Chicago, 1914. II. *Education.*

HELEN LOUISE ADAMS. Baltimore. 2129 *N. Calvert St.*
A. B., Goucher College, 1919. I. *Physics.*

CARLOS VAZQUEZ ARJONA. Annapolis. *U. S. Naval Academy.*
B. S., Johns Hopkins University, 1920. I. *Romance Languages.*

HELEN ATWOOD. Baltimore. 2809 *St. Paul St.*
A. B., Goucher College, 1916. II. *Romance Languages.*

RUTH BAETJER. Baltimore. *Roland Av.*
A. B., Wellesley College, 1920. II. *Political Economy.*

HELEN WESTCOTT BARBRE (Mrs.). Baltimore. 625 *Bartlett Av.*
Ph. B., University of Chicago, 1918. I. *Political Economy.*

VOLA PRICE BARTON. Baltimore. *Linwood Av. nr. Pimlico Rd.*
A. B., Goucher College, 1915; A. M., Mt. Holyoke College, 1917. III. *Physics.*

EMORY SHELVY BASFORD. Anne Arundel Co. *Jessup.*
A. B., Johns Hopkins University, 1921. I. *English.*

EVELYN WYLIE BETTS. Baltimore. 2636 *Maryland Av.*
A. B., Goucher College, 1910. I. *Psychology.*

LORETTA M. BOLLMAN. Baltimore. 236 *W. Woodland Av.*
A. B., Goucher College, 1909. I. *Zoology.*

LEVIN BOWLAND BRAUGHTON. Prince George Co. *College Park.*
B. S., Maryland State College, 1908, and M. S., 1911. II. *Chemistry.*

MINNIE BELLE BREWER. Newtonville, Mass. 519 *Roland Av.*
A. B., Wellesley College, 1917. II. *Physics.*

HELEN HARRISON BROWN (Mrs.). Baltimore. 2402 *N. Calvert St.*
A. B., Goucher College, 1913. I. *French and Sanskrit.*

GUY LEE BRYAN. Cambridge. *Guilford Manor Apts.*
B. S. in Eng., Johns Hopkins University, 1917, M. C. E., 1922, and Instructor, 1921—. III. *Physics.*

HERBERT CLEAVER CLAUSER. Baltimore. 513 *Cathedral St.*
S. B., Albright College, 1912. II. *Chemistry.*

MARTHA S. COHEN. Baltimore. 1709 *Linden Av.*
A. B., Goucher College, 1919. II. *Semitic Languages.*

MARGARET MARY CORRIGAN. Baltimore. 3311 *Guilford Av.*
B. S., Johns Hopkins University, 1921. I. *Archaeology.*

CLARA WHITNEY CRANE. Bridgewater, Mass. 821 *N. Charles St.*
A. B., Radcliffe College, 1914; A. M., Cornell University, 1918. III. *English.*

LEVI YORGEY DAVIDHEISER. Collegeville, Pa. 1615 *Eutaw Pl.*
A. B., Ursinus College, 1904. IV. *Chemistry, Physical Chemistry, and Mathematics.*

JAY KARL DITCHY. Annapolis. *U. S. Naval Academy.*
A. B., University of Michigan, 1911; A. M., University of Illinois, 1913. I. *Romance Languages.*

LOUISE DOHME. Roland Park. *Chestnutwood.*
A. B., Smith College, 1921. I. *Chemistry.*

HERMAN ZINN DRAWBAUGH. Homestead, Pa. 2326 *N. Charles St.*
A. B., Pennsylvania College, 1919. II. *English.*

CHARLES ARTHUR EBY. Baltimore. 2741 *Maryland Av.*
A. B., Loyola College, 1912; LL. B., University of Maryland, 1905. II. *History, Political Economy, and Political Science.*

PEARL EFROS. Baltimore. 2040 *E. Baltimore St.*
A. B., Hunter College, 1919. I. *Political Economy.*

WILLIAM RICHARDSON FLOWERS. Baltimore. 2054 *Kennedy Av.*
B. S., Johns Hopkins University, 1920. II. *Education.*

BESSIE TEEPLE GEISER. Independence, Ia. 2003 *Maryland Av.*
A. B., Upper Iowa University, 1913. II. *History.*

DOROTHY GETZ. Baltimore. 1111 *W. Lanvale St.*
A. B., Goucher College, 1917. I. *Chemistry.*

ROBERT CARLYLE GILLIES. District of Columbia. *Washington*
A. B., Princeton University, 1920. I. *Political Economy.*

MORRIS GLASSMAN. Baltimore. 504 *Chestnut Hill Av.*
A. B., Johns Hopkins University, 1921. *Zoology.*

CHARLES FREDERICK GLOTH. Baltimore. 410 *St. Paul St.*
A. B., Yale University, 1897. XVI. *Geology.*

ALBERT ROLAND GMINDER. Baltimore. 607 *Lennox St.*
A. B., Johns Hopkins University, 1914. IV. *French.*

EUNICE RATHBONE GODDARD. Baltimore. 13 *E. Read St.*
A. B., Mt. Holyoke College, 1903; A. M., Columbia University, 1906. IV. *French.*

GLADYS ADELINE GODDARD. Baltimore. 13 *E. Read St.*
Universities of Zurich and Geneva, 1911 12. II. *French.*

GEORGE GOETZ. Baltimore. 2110 *E. Pratt St.*
A. B., Johns Hopkins University, 1921. I. *Psychology and Psychiatry.*

MABEL FRANCES HALE. Baltimore. 1002 *Madison Av.*
History.

CHRISTINE HAMMER. Pottstown, Pa. 921 *N. Charles St.*
A. B., Bryn Mawr College, 1912; A. M., Cornell University, 1916. I. *English and French.*

KINGMAN A. HANDY. Baltimore. 1525 *Park Av.*
Psychology.

SYDNEY SPEIDEN HANDY. Annapolis. *St. John's College.*
A. B., Richmond College, 1893; A. M., Columbia University, 1919. III. *Education, Psychology, and English.*

WILLIAM MCCANTS HARTIN. Ridgeway, S. C. 2738 *St. Paul St.*
B. Litt., Furman University, 1897, and A. M., 1899; Th. M., Southern Baptist Theological Seminary, 1904. *Political Economy.*

ANABEL EUGENIA HARTMAN. Baltimore. 914 *N. Carrollton Av.*
A. B., Goucher College, 1908; A. M., Johns Hopkins University, 1918. IX. *English and Philosophy.*

KATHERINE LORETTA HEALY. Baltimore. 3709 *North Rd.*
B. S., Johns Hopkins University, 1921. I. *Education.*

LOUIS ARTHUR JUTRAS. Howard Co. *Ellicott City.*
Rock Hill College. I. *Biology.*

HORTENSE MILLER KAHN. Baltimore. 2418 *Eutaw Pl.*
A. B., Goucher College, 1916. I. *Political Economy.*

HELEN EMILY KINGSBURY. Baltimore. 2526 *Maryland Av.*
A. B., Bryn Mawr College, 1920, and A. M., 1921. I. *English.*

GRACE AMANDA KRAMER. Baltimore. 319 *E. 25th St.*
B. S., Johns Hopkins University, 1921. I. *Education.*

LOUIS AUGUST M. KRAUSE. Baltimore. 812 *N. Washington St.*
M. D., University of Maryland, 1917. II. *Psychology.*

FRANKLIN A. KULLER. Baltimore. 1931 *Park Av.*
A. B., Dickinson College, 1914, and A. M., 1920. II. *Education.*

LEWIS MONCURE LATANE. Baltimore. 210 *W. Madison St.*
A. B., Richmond College, 1917. II. *Political Science.*

MORRIS SAMUEL LAZARON. Baltimore. 1712 *Linden Av.*
A. B., University of Cincinnati, 1909, and A. M., 1911. *Philosophy.*

JOHN ABRAHAM LEWIS. Baltimore. 4810 *Reisterstown Rd.*
A. B., Morningside College, 1912. I. *History.*

MARGUERITE ELMORE LINTHICUM. Baltimore. 506 *E. 42nd St.*
B. S., Johns Hopkins University, 1921. I. *Education.*

JAMES ANSON LONGAN. Baltimore. 1411 *W. Lexington St.*
B. S., St. John's College, 1920. I. *Education.*

NATHA ANNETTE MANN. Baltimore. 2647 *N. Calvert St.*
B. S., Johns Hopkins University, 1919. II. *English.*

THOMAS CULVERSON MABON. Northfield, Minn. 2712 *Guilford Av.*
A. B., Carleton College, 1911, and A. M., 1915. II. *French.*

STELLA AGNES MCCARTY. Baltimore. 3620 *Fairview Av.*
A. B., Goucher College, 1892; A. M., Columbia University, 1916. IV. *Psychology.*

EUGENE PAUL METOUR. Anne Arundel Co. *Annapolis.*
A. B., University of Montpellier, 1897, and B. S., 1898; A. M., Ohio State University, 1917. I. *Archaeology.*

CHARLES HERMANN MIEGEL. Baltimore. 2401 *Frederick Av.*
A. B., Johns Hopkins University, 1918. III. *Political Science.*

FRANK BERTRAM MITCHELL. Anne Arundel Co. *Annapolis.*
A. B., Boston University, 1914. I. *Romance Languages.*

VIRGINIA CECILIA MORRIS. Baltimore. *Mt. Royal Apts.*
A. B., Goucher College, 1913. II. *French.*

ELIZABETH NIXON. Chambersburg, Pa. 516 *Park Av.*
A. B., Wilson College, 1905. I. *History.*

WILLIAM EUGENE OLIVET. Annapolis. *U. S. Naval Academy.*
A. B., St. John's College, 1919, nad A. M., 1920. IV. *Romance Languages.*

MARY CASTLE OTT. Frederick. *Frederick.*
A. B., Hood College, 1920. I. *History.*

RICHARD ALEXANDER PARKER. Baltimore. 1633 *W. North Av.*
A. B., Johns Hopkins University, 1921. I. *Romance Languages.*

OLGA PEARLZWEIG (MRS.). Baltimore. 2407 *Madison Av.*
A. B., Barnard College, 1915; A. M., Columbia University, 1917. I. *German.*

HELEN ADELINE PRATT. Lynn, Mass. 1217 *St. Paul St.*
A. B., Radcliffe College, 1919. I. *Chemistry.*

WILLIAM DANIEL REES. Chestnut Hill, Pa. 3019 *St. Paul St.*
A. B., Ohio State University, 1891. I. *Physics.*

WILLIAM FRANKLIN REINDOLLAR. Baltimore. 1439 *W. Lafayette Av.*
Ph. G., University of Maryland, 1915. II. *Chemistry.*

MARGARET ELIZABETH RIEGEL. New Cumberland, Pa.
B. S., Simmons College, 1917. I. *Chemistry.*
14 *E. Franklin St.*

RUTH WALTERS ROGERS. Baltimore. 14 *E. 25th St.*
A. B., Goucher College, 1915. I. *French and Spanish.*

WILLIAM WALDEN RUBEY. Washington, D. C. *U. S. Geological Sur'y.*
A. B., University of Missouri, 1920. I. *Geology.*

JAMES BLAINE SCARBOROUGH. Annapolis. *U. S. Naval Academy.*
A. B., University of North Carolina, 1913, and A. M., 1914. III. *Mathematics.*

WILMER HENRY SCHULZE. Baltimore. 2245 *Eastern Av.*
Ph. G., University of Maryland, 1915. II. *Chemistry.*

CHARLES EDWARD SEITZ. Carroll Co. *Westminster.*
A. B., Franklin and Marshall College, 1903. I. *Education.*

HELEN SHERBERT. Baltimore. 1800 *N. Calvert St.*
A. B., Goucher College, 1916. III. *Latin and Semitic Languages.*

CLARENCE ALBERT SHOOK. Annapolis. *U. S. Naval Academy.*
A. B., Western Reserve University, 1916; A. M., Harvard University, 1918. III. *Mathematics.*

WILLIAM GORDON SHULES. Baltimore. 3222 *Abell Av.*
Concordia College (Milwaukee), 1894; Concordia Seminary (St. Louis), 1897; Chief Cataloguer, Johns Hopkins Library. VI. *German.*

LOUISE LITTIG SLOAN. Baltimore. 145 *W. Lanvale St.*
A. B., Bryn Mawr College, 1920. I. *Physics.*

AGNES WALLACE SMITH (Mrs.). Missoula, Mont. 2007 *Maryland Av.*
A. B., State University of Iowa, 1911, and A. M., 1912. I. *History.*

MORRIS EDMUND SPEARE. Baltimore. 218 *Cedar Av.*
A. B., Harvard University, 1908, and A. M., 1909. III. *English.*

MARY ELIZABETH SPEER. Sherman, Tex. 1217 *St. Paul St.*
A. B., University of Texas, 1911; A. M., Columbia University, 1918. I. *Education.*

GERALD MAX SPRING. New York City. 2449 *Maryland Av.*
A. B., University of Vermont, 1916; A. M., Columbia University, 1917. II. *French.*

MARY KEESEY STAIR. York, Pa. 821 *N. Charles St.*
A. B., Bryn Mawr College, 1918. I. *Psychology.*

ETHEL MAY STALEY. Baltimore. 1600 *Eutaw Pl.*
A. B., Goucher College. 1911. III. *Romance Languages.*

ZERLINE EMILIE STAUF. Baltimore. *Notre Dame College.*
Notre Dame College. I. *Romance Languages.*

ELLEN THAYER. Baltimore. *The Druid Apts.*
A. B., Bryn Mawr College, 1907. V. *French.*

WILLIAM MICHAEL TOOHEY. Baltimore. 350 *Cathedral St.*
A. B., Rock Hill College, 1914, and A. M., 1919. II. *Chemistry.*

FREDERICK GALE TRYON. District of Columbia. *Washington.*
A. B., University of Minnesota, 1914, and A. M., 1916. I. *Political Economy.*

KATHERINE THERESA VALENTINE. Baltimore. 216 *Myrtle Av.*
B. S., Johns Hopkins University, 1921. I. *Education.*

GEORGE A. STEELE. Baltimore. 1529 *Eutaw Pl.*
A. B., St. John's College, 1884 and A. M., 1887. *Semitic Languages.*

JOEL H. SWARTZ. Baltimore. *Windsor Park.*
A. B., Johns Hopkins University, 1915, and Instructor, 1920—. III. *Geology.*

GEORGE WASHINGTON WARD. Baltimore. 31 *Talbot Rd.*
A. B., Western Maryland College, 1890; Ph. D., Johns Hopkins University, 1897. *Education.*

BRUCE ALBION WENTZ. Frederick Co. *Frederick.*
A. B., Franklin and Marshall College, 1915; B. D., Lancaster Theological Seminary, 1918. I. *Education and Psychology.*

SAMUEL C. WITHERSPOON. Baltimore. 1319 *N. Charles St.*
B. S., University of Pennsylvania, 1914. I. *Chemistry.*

CARL GEORGE WOLF. Baltimore. 5202 *Harford Rd.*
A. B., Capitol University, 1907; A. M., Johns Hopkins University, 1921. III. *Psychology.*

ADALBERT ZELWIS. Baltimore. 898 *W. Baltimore St.*
A. B., Allegheny College, 1914; D. D. S., University of Maryland, 1919. II. *Sanskrit and Comparative Philology.*

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STUDENTS REGISTERED IN 1920-21 TOO LATE FOR INCLUSION IN THE REGISTER FOR THAT YEAR

FELLOWS BY COURTESY

GEORGE RAGLAND. Georgetown, Ky.
A. B., Richmond College, 1896; Professor of Greek and Latin, Georgetown College, Kentucky; Ph. D., Johns Hopkins University, 1921. *Greek, Latin, and Sanskrit.*

WILLIAM H. GRAFFLIN SCHOLAR

CHARLES H. MILLIGAN. Chicago, Ill. 1210 *Mt. Royal Av.*
A. B., Carson and Newman College, 1912; B. S., University of Chicago, 1915, and Ph. D., 1919. II. *Industrial Chemistry.*

OTHER GRADUATE STUDENTS IN PHILOSOPHY

HERBERT ELLSWORTH CORY. Baltimore. 2801 *W. North Av.*
A. B., Brown University, 1906; Ph. D., Harvard University, 1910. I. *Biology and Psychology.*

FRANCIS M. FROELICHER. Baltimore. 303 *Tramore Rd.*
A. B., Haverford College, 1913; A. M., Johns Hopkins University, 1921. IV. *Education.*

RALEIGH GILCHRIST. Great Falls, Mont.
A. B., University of Montana, 1915. I. *Chemistry.*

STELLA A. MCCARTY. Baltimore. 3620 *Fairview Av.*
A. B., Goucher College, 1892; A. M., Columbia University, 1916. III. *Psychology.*

RAPHAEL ROSEN. Baltimore. 2026 *Madison Av.*
A. B., Johns Hopkins University, 1916, and A. M., 1920. IV. *Chemistry, Physical Chemistry, and Geology.*

BARTUS TREW. Baltimore. 127 *W. Lafayette Av.*
A. B., Johns Hopkins University, February, 1921. I. *Political Economy.*
(6)

PART-TIME STUDENTS ATTENDING GRADUATE COURSES

KATHRYN LAURA BEHRENS. Baltimore. 3703 *Piedmont Av.*
A. B., Goucher College, 1917; A. M., Johns Hopkins University, 1919, and Ph. D., 1921. IV. *History, Political Science, and Political Economy.*

ELLEN BOYLE. Boyle, Kans.
A. B., University of Kansas, 1906. I. *Mathematics.*

MINNIE K. HASTINGS. Carroll Co. *New Windsor.*
A. B., Wellesley College, 1907. I. *Psychology.*

PAUL CHRISTOPHER HINRICHS. Baltimore. 2 *W. 39th St.*
A. B., Johns Hopkins University, 1920. I. *English and History.*

HARRY BOYD MARIS. Melbourne, Fla. *Dundalk.*
A. B., University of Michigan, 1910, and M. S., 1911. I. *Physics and Mathematics.*

CHARLES EDWARD NORWOOD. Hyde Park, Mass. *Annapolis.*
A. B., Boston University, 1909. I. *Mathematics.*

MARY BRAMAN ROCKWOOD. Baltimore. 1217 *Madison Av.*
A. B., Oberlin College, 1879, and A. M., 1894. IV. *Latin.*

MINNIE C. SMITH. Baltimore. 402 *N. Carrollton Av.*
Botany.

RAYMOND M. UPTON. Newark, Del. *University of Delaware.*
B. S., Massachusetts Agricultural College, 1915. I. *Psychology.*

TOMI WADA. Chofu, Japan. 512 *N. Broadway.*
A. B., Women's University of Japan, 1917; A. M., Columbia University, 1921. I. *Psychology.*

JAMES M. WALBECK. Baltimore. *St. James Apts.*
A. B., St. John's College, 1918. I. *History.*
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II. DEPARTMENT OF MEDICINE

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

Fourth Year

WILLIAM WIESS BELFORD. Georgetown, Texas. 606 *N. Broadway.*
A. B., Southwestern University, 1918.

ARTHUR HENDLEY BLAKEMORE. Senora, Va. 1216 *N. Broadway.*
S. B., William and Mary College, 1918.

ALFRED BLALOCK. Jonesboro, Ga. 518 *N. Broadway.*
A. B., University of Georgia, 1918.

JOSEPH ROGERS BLALOCK. Weldon, N. C. 806 *N. Broadway.*
A. B. and A. M., Wake Forest College, 1918.

MARGARET LATHROP BRONSON. New Haven, Conn. 800 *N. Bdway.*
A. B., Vassar College, 1908; Graduate Student, *ibid*, 1917-18.

CHARLES ELBERT BUELL, JR. Detroit, Mich. 806 *N. Broadway.*
A. B., University of Michigan, 1918.

CHARLES RICHARD BUGG. Farmville, Va. 1216 *N. Broadway.*
A. B., Hampden-Sidney College, 1916.

DOROTHY SAUNDERS BURDICK. Baltimore. 2706 *Elsinore Av.*
A. B., Mount Holyoke College, 1918.

JAMES FORD BUSBY. Rose Hill, Iowa. *P. P. C., J. H. H.*
S. B., Grinnell College, 1918.

WILLIAM ARMSTEAD CAMPBELL, JR. Colorado Springs, Col.
A. B., Colorado College, 1918. 518 *N. Broadway.*

RALPH KABLE COLLINS. Rocky Ford, Colo. 606 *N. Bdway.*
A. B., University of Kansas, 1919; Medical Student, *ibid.*, 1915-1916 and 1918-1919.

GEORGE RICHARD COUSAR. Bishopsville, S. C. 520 *N. Bdway.*
A. B., Presbyterian College (S. C.), 1917.

JAY CECIL CRAGER. Beaumont, Tex. 510 *N. Bdway.*
A. B., University of Texas, 1918.

ROBERT GLENN CRAIG. Hickory, N. C. 518 *N. Broadway.*
A. B., Washington and Lee University, 1917.

JOSEPH CHARLES CUNEO. Hoboken, N. J. 1322 *N. Caroline St.*
S. B., Princeton University, 1917.

MAX CUTLER. Athens, Ga. 1404 *E. Chase St.*
S. B., University of Georgia, 1919.

DAVID DAVIS. Washington, D. C. 801 *N. Bdway.*
A. B., George Washington University, 1917.

ARCHIBALD SWEETLAND DEAN. Woodfords, Me. 520 *N. Broadway.*
S. B., Bowdoin College, 1918; Summer School, University of Maine, 1917. and Harvard, 1918.

LUCILE DOOLEY. Knoxville, Tenn. 800 *N. Bdway.*
A. B., Randolph-Macon Woman's College, 1905; A. M., University of Tennessee, 1915; Ph. D., Clark University, 1916.

CLAUDE GARRISON DRACE. Kennett, Mo. 1614 *E. Biddle St.*
S. B., Vanderbilt University, 1918.

ROBERT HARRIS DURHAM. Siler City, N. C. 520 *N. Broadway.*
A. B., Trinity College (N. C.), 1918.

DANIEL EUGENE EAGLE. Statesville, N. C. 518 *N. Bdway.*
A. B., University of North Carolina, 1917.

STUART WILSON EGERTON. Baltimore. 106 *Elmhurst Rd.*
A. B., Johns Hopkins University, 1918.

ROBERT ELMAN. Syracuse, N. Y. 1404 *E. Chase St.*
S. B., Harvard University, 1919.

HELEN WARDNER EVARTS. Cambridge, Mass. 101 *Jackson Pl.*
A. B., Vassar College, 1917; Graduate Student, Radcliffe College 1917-18.

OTTO ORREN FISHER. Jacksonville, Fla. 5002 *Ready Av., Govans.*
A. B., Miami University, 1909.

RALPH LEE FISHER. Wilmington, N. C. 520 *N. Bdway.*
A. B., Trinity College (N. C.), 1918.

LEWIS BARR FLINN. Wilmington, Del. 510 *N. Bdway.*
A. B., Princeton University, 1918.

BENJAMIN FRANKLIN FREEMAN. Waco, Tex. 1404 *E. Chase St.*
A. B., Baylor University, 1918.

FRANK WEBSTER GARBER. Muskegon, Mich. 1224 *N. Caroline St.*
A. B., University of Wisconsin, 1917.

CHARLES A. GARRETT. Waco, Tez. 606 *N. Broadway.*
A. B., and A. M., Baylor University, 1918 and 1920.

MYRON EVERETT GOLDBLATT. Baltimore. 1510 *N. Broadway.*
A. B., Clark College, 1915. Graduate student, Johns Hopkins University, 1915-1916.

ANDREW MUNCY GROSECLOSE. Ceres, Va. 520 *N. Broadway.*
A. B., Roanoke College, 1918.

CHARLES ROBERT LEE HALLEY, JR. Sheridan, Wyo. 606 *N. Bdway*
A. B., University of Missouri, 1918.

SAMUEL HALPERN. Newark, N. J. 913 *N. Broadway.*
A. B., Columbia University, 1918; Medical student, Harvard University, 1918-1919.

PAUL MYRON HAMILTON. Colorado Springs, Col. 518 *N. Bdway*
A. B., Colorado College, 1918.

TISLEY RANDOLPH HARRISON. Birmingham, Ala. 518 *N. Bdway.*
A. B., University of Michigan, 1919; Medical student, *ibid.*, 1918-1919.

CLYDE ALEXANDER HEATLY. Schenectady, N. Y. 510 *N. Bdway.*
A. B., Union College, 1918.

RHODA MURIEL IVIMEY. New York, N. Y. 1709 *E. Fairmount Av.*
A. B., Barnard College, 1911.

EDWIN BOSLEY JARRETT. Jarrettsville. 518 *N. Bdway.*
A. B., Johns Hopkins University, 1918.

LLOYD B. JOHNSTON. Faulkton, S. D. 518 *N. Broadway.*
S. B., Huron College, 1915.

THOMAS BANFORD JONES. Utica, N. Y. 606 *N. Broadway.*
A. B., Hamilton College, 1918.

CHESTER SCOTT KEEFER. Altoona, Pa. 606 *N. Broadway.*
S. B., Bucknell University, 1918.

FRANK BERGNER KINDELL. Bradford, O.
A. B., Oberlin College, 1915.

JAMES EDWARD KING. Atlanta, Tex. 606 *N. Broadway.*
A. B., Southern Methodist University, 1918.

ELIZABETH AMANDA KITTREDGE. Westford, Mass.
A. B., Vassar College, 1912; A. M., Columbia University, 1913.
1720 *E. Madison St.*

HARRY AARON KLEE. Washington, Pa. 1404 *E. Chase St.*
A. B., Washington and Jefferson College, 1918.

ORTHELLO RICHARDSON LANGWORTHY. Hamilton, N. Y.
A. B. and A. M., Colgate University, 1918 and 1921.
606 *N. Broadway.*

RAYMOND EARL LENHARD. Baltimore. *Rolling Rd., Catonsville.*
A. B., Johns Hopkins University, 1918.

ISIDORE IRVIN LEVY. Baltimore. 906 *Newington Av.*
A. B., Johns Hopkins University, 1918.

ROBERT KORN LIPPMANN. New York, N. Y. 529 *N. Wolfe St.*
S. B., Columbia University, 1918.

ROBERT COLNON LONERGAN. Chicago, Ill. 1624 *E. Preston St.*
A. B., Syracuse University, 1918.

CLETUS EDMUND MCGUIGAN. Baltimore. 328 *Wyman Ave.*
A. B., Johns Hopkins University, 1918.

JACOB ISAAC MARGOLIS. New York, N. Y. 411 *N. Bdway.*
Ph. B., Yale University, 1918.

ISRAEL DAVID MICHELSON. Baltimore. 832 *E. Baltimore St.*
A. B., Johns Hopkins University, 1918.

DOROTHEA MAY MOORE. Cambridge, Mass. 1047 *N. Bdway.*
A. B., Bryn Mawr College, 1915; Graduate Student, Radcliffe College, 1915-16.

FRANK GUY MOORE. Union, N. Y. 606 *N. Broadway.*
A. B., Hamilton College, 1918.

BESSIE LOUISE MOSES. Baltimore. 2329 *Eutaw Pl.*
A. B., Goucher College, 1915; Graduate Student, Johns Hopkins University, 1915-16.

MORRIS JACOBI MOSKOWITZ. Rochester, N. Y. 409 *N. Bdway.*
S. B., University of Rochester, 1918.

BERNHARD NEWBURGER, JR. Lexington, Ky. 1622 *N. Bdway*
A. B., University of Missouri, 1918.

ELIZABETH GRACE NICHOLLS. Baltimore. 712 *N. Broadway.*
A. B., Vassar College, 1915.

JOSEPH EDWARD NOWREY, JR. Camden, N. J. 520 *N. Bdway.*
A. B., University of Southern California, 1917.

HENRY MILLER POWELL. Salem, Va. 520 *N. Broadway.*
A. B., Roanoke College, 1917.

ROSA ELIZABETH PRIGOSEN. Brooklyn, N. Y. 733 *N. Bdway.*
A. B., Adelphi College, 1916.

CATHRYN VEDALIA RILEY. Washington, D. C. 1713 *Fairmount Av.*
A. B., Wellesley College, 1912; S. B., Cornell University, 1916; A. M., Johns Hopkins University, 1916.

J. EVERETT SANNER. Baltimore. 620 *W. North Av.*
A. B., Johns Hopkins University, 1918.

WILLIAM JOHN SCOTT. Cape Charles, Va. *Walbert Apts.*
A. B., Hampden Sidney College, 1915; A. M., University of Virginia, 1917.

WILLIAM EYRE SISSON. Providence, R. I. 606 *N. Broadway.*
A. B., Brown University, 1918.

DAVID TILLERSON SMITH. Greenville, S. C. 1632 *Jefferson St.*
A. B., Furman University, 1918.

MARGARET GLADYS SMITH. Carnegie, Pa. 1237 *N. Caroline St.*
A. B., Mount Holyoke College, 1918.

THOMAS COOK SMITH. Dublin, Ga. 518 *N. Broadway*
S. B., Emory University, 1917.

KARL JOSEPH STEINMUELLER. Baltimore. 327 *N. Carrollton Av.*
A. B., Johns Hopkins University, 1914.

†KO CHI SUN. Siangtan, China.
A. B., Johns Hopkins University, February 22, 1918.

HARRY WELLINGTON VANCE. French Creek, W. Va. 128 *Jackson Pl.*
A. B., West Virginia Wesleyan College, 1918.

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† For one trimester only.

CHARLES WILLIAM WAINWRIGHT, JR. Princess Anne.
A. B., Western Maryland College, 1914. 510 *N. Broadway.*

WILLIAM HORACE FRANKLIN WARTHEN. Baltimore. 1647 *Wilkens Av.*
A. B., Johns Hopkins University, 1919.

HARRY WASSERMAN. Baltimore. 3410 *Pk. Heights Av.*
A. B., Johns Hopkins University, 1918.

EDWIN DAVID WEINBERG. Lonaconing. 1404 *E. Chase St.*
A. B., Dickinson College, 1917.

BEULAH WELLS. Cleveland, Ohio. 800 *N. Bdway.*
A. B., Vassar College, 1909.

JULIAN OTTO WILKE. Los Angeles, Cal. 1601 *E. Preston St.*
A. B., University of Southern California, 1917.

FLORENCE JOSEPHINE WIMSATT. Washington, D.C. 127 *Jackson Pl.*
A. B., Trinity College (D. C.), 1916, and A. M., 1917; Graduate Student, Johns Hopkins University, 1917-18.

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Third Year

ARTHUR FREDERICK ABT. Chicago, Ill. 1404 *E. Chase St.*
S. B., University of Chicago, 1919.

EDWIN PASCAL ALYEA. Clifton, N. J. 1611 *E. Biddle St.*
S. B., Princeton University, 1919.

SAMUEL A. ANDERSON, JR. Richmond, Va. 1222 *N. Caroline St.*
A. B., Washington and Lee University, 1919.

ROBERT STRAHL ANDREWS. Hampton, Ia. 1028 *N. Broadway.*
S. B., Grinnell College, 1916. Graduate Student, Johns Hopkins University, 1917-18.

RALPH JONES BELFORD. Georgetown, Tex. 606 *N. Bdway.*
A. B., Southwestern University, 1919.

ELSTON LEWIS BELKNAP. Waukesha, Wis. 518 *N. Bdway.*
A. B., Oberlin College, 1919.

RENA MARION BIGALOW. Port Henry, N. Y. 821 *N. Charles St.*
A. B., Goucher College, 1919.

WILLIAM BLOOM. Baltimore. 3310 *Auchentoroly Ter.*
A. B., Johns Hopkins University, 1919.

HAROLD RAY BOHLMAN. Lincoln, Neb. 1626 *E. Biddle St.*
S. B., Grinnell College, 1919.

JOHN HENRY BUMSTEAD. New Haven, Conn. 1254 *N. Bdway.*
A. B., Yale College, 1919.

ARTHUR BURNS. Cuero, Tex. 606 *N. Broadway.*
A. B., University of Texas, 1918.

CAROLINE ISABELLA BUTTRICK. Scarsdale, N. Y. 800 *N. Bdway.*
S. B., University of Chicago, 1920; Student, Vassar College, 1913 15 and 1916 18.

GEORGE UPSHUR CARNEAL. Richmond, Va. 422 *N. Broadway.*
A. B., Johns Hopkins University, 1919.

DONALD CHANDLER. Wilmington, Del. 410 *N. Bdway.*
S. B., Haverford College, 1917.

WILLIAM EVANS CHAPIN, JR. Richmond, Va. 716 *N. Broadway.*
A. B., Virginia Military Institute, 1917; Graduate Student, J. H. U., 1918.

DANA VINYARD CLARK. Galesburg, Ill. 606 *N. Broadway.*
A. B., Knox College, 1917.

WILLIAM LEE CLARK. Harrisburg, Pa. 521 *N. Wolfe St.*
Litt. B., Princeton University, 1919.

MABEL BURNETT COHN. Albany, N. Y. 2524 *Maryland Av.*
A. B., Vassar College, 1918.

THOMAS WATSON CORNWALL. Tyty, Ga. 924 *N. Broadway*
A. B., and M. S., Mercer University, 1916 and 1919.

MARGARET LOUISE CUTHBERTSON. Oakville, Canada.
A. B., University of Toronto, 1913.

CHARLES AUSTIN DOAN. St. Louis, Mo. 1047 *N. Caroline St.*
S. B., Hiram College, 1918.

KARL WILHELM EBELING. Baltimore. 329 *Hawthorne Rd.*
A. B., Johns Hopkins University, 1919.

ROBERT LEE FAULKNER. Wattsburg, Pa. 606 *N. Bdway.*
S. B., Allegheny College, 1919.

HENRY TERRIE FLOYD. Baltimore. 927 *N. Bdway.*
A. B., Elon College, 1919.

CASPAR FOLKOFF. Baltimore. 2305 *Madison Av.*
A. B., Columbia University, 1917; Graduate Student, College of the City of New York, 1917-1919.

WILEY DAVIS FORBUS. Baltimore. 606 *N. Broadway*
A. B., Washington and Lee University, 1916.

BERNARD SEMPLE FRENCH. Washington, D. C. 810 *N. Bdway.*
A. B., Catholic University of America, 1919.

PERRY JUDSON GAMBILL. Concord, Tenn. 1612 *E. Biddle St.*
A. B., University of Tennessee, 1915.

CLARENCE ZENT GARBER. Mansfield, O. 518 *N. Broadway.*
A. B., Oberlin College, 1918.

JAMES GASTON GAY. Atlanta, Ga. 1727 *N. Broadway*
A. B., University of Georgia, 1919.

EUGENE MAXIMILIAN KARL GEILING. South Africa. 1029 *N. Bdway.*
A. B., University of South Africa, 1911; M. Sc. and Ph.D., University of Illinois, 1915 and 1917.

JOHN WALLACE GHORMLEY. Partridge, Kans. 1519 *N. Bdway*
S. B., Wooster College, 1919.

JOHN LAWRENCE GOFORTH. Comfort, Tex. 606 *N. Broadway*
A. B., University of Texas, 1918

JOHN WIRT GRAHAM. Baltimore. 1405 *Park Ave.*
A. B., University of Montana, 1917.

LEON GREENWALD. Baltimore. 536 *N. Chester St*
A. B., Johns Hopkins University, 1919.

ALAN FRANK GUTTMACHER. Baltimore. 1209 *Eutaw Place.*
A. B., Johns Hopkins University, 1919.

MANFRED SCHANFARBER GUTTMACHER. Baltimore. 1209 *Eutaw Pl.*
A. B., Johns Hopkins University, 1919.

ROBERT ARNOLD HAMRICK. Birmingham, Ala. 810 *N. Bdway.*
S. B., University of Alabama, 1919.

HARRY EDWIN HANDLEY. Lewisburg, W. Va. 520 *N. Bdway.*
A. B., Washington and Lee University, 1919.

JOSEPH HARRIS. Washington, D. C. 18 *N. Collington Av.*
A. B., Johns Hopkins University, 1919.

*THOMAS HARROLD, JR. Americus, Ga. 518 *N. Broadway*
S. B., University of Georgia, 1918.

HARRY MILTON HAYTER. Meadow View, Va. 1220 *N. Eden St.*
A. B., Emory and Henry College, 1918.

JEROLD KISER HOERNER. Lewisburg, O. 1228 *N. Eden St.*
S. B., Earlham College, 1919.

CHARLES EDWIN HOMAN, JR. Chattanooga, Tenn. 1538 *N. Bdway.*
S. B., Mercer University, 1918.

WALTER GUSTAV HOUSEAL, JR. Newberry, S. C. 1612 *E. Biddle St.*
A. B., Newberry College, 1915, and S. B., College of Charleston, 1917.

DAVID VENABLE HUDSON. Kashing, Chekiang Prov., China.
S. B., Davidson College, 1917. *Y. M. C. A.*

ALFRED WILMOT JACOBSEN. Baltimore. 309 *Oakdale Rd., Rld. Pk.*
A. B., Johns Hopkins University, 1918.

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*Entered January 1, 1919.

RAYMOND LEMOYNE JOHNSTON. Chambersburg, Pa.
A. B., Washington and Jefferson College, 1917. 1224 *N. Caroline St.*

LAWRENCE ALBERT KOHN. New York, N. Y. 1216 *N. Bdway.*
A. B., Williams College, 1914.

PEARL VIVIAN KONTTAS. Portland, Ore. 1237 *N. Caroline St.*
A. B., Reed College, 1918.

GEORGE SYDNEY LACHMAN. Baltimore. 905 *Chauncey Av.*
A. B., Johns Hopkins University, 1919.

BERNARD WALTER LEONARD. Richmond, Va. 1608 *E. Biddle St.*
S. B., Richmond College, 1919.

ERIDA LOUISE LEUSCHNER. Berkeley, Cal. 1732 *E. Fayette St.*
A. B., University of California, 1919.

ROBERT WITHERSPOON MCKAY. Sumter, S. C. 1012 *N. Broadway.*
A. B., University of Virginia, 1917; Graduate Student, Davidson College, 1913-15.

CHARLES EDWARD MCPARTLAND. New Haven, Ct. 1538 *N. Bdway.*
Ph. B., Yale University, 1919.

EVERET WAITMAN MEREDITH. Sistersville, W.Va. 2013 *N. Wolfe St.*
A. B., Ohio State University, 1918.

JOHN GASTON MERSELIS. East Orange, N. J. 606 *N. Bdway.*
A. B., Williams College, 1919.

WILLIAM LINDSAY MILLER. Rock Hill, S. C. 810 *N. Bdway.*
A. B., Erskin College, 1918; S. B., University of South Carolina, 1919.

HERBERT EARL MOORE. Toledo, O. 1405 *Park Av.*
A. B., Michigan State Normal College, 1915.

MAX ALEXANDER NOVEY. Baltimore. 939 *W. Baltimore St.*
A. B., Johns Hopkins University, 1919.

REUBEN CAREL PEARLMAN. Richmond, Ky. 1404 *E. Chase St.*
S. B., University of Kentucky, 1917.

CHARLES HENRY PECKHAM. Howard, R. I. 606 *N. Broadway.*
A. B., Brown University, 1919.

HENRY ANDREW PETERSON. Portland, Me. 518 *N. Broadway.*
A. B., University of Maine, 1917.

SARAH MARGARET PEYTON. Crisfield. 1530 *N. Broadway.*
A. B., Goucher College, 1916.

MIRIAM REWALT POLK. Millersburg, Pa. 718 *N. Bdway.*
A. B., Goucher College, 1917.

LEROY MATTHEW POLVOGT. Wilmington, N. C. 520 *N. Bdway.*
A. B., Roanoke College, 1918.

ALLAN KING POOLE. East Liverpool, O. 606 *N. Bdway.*
S. B., Princeton University, 1918.

WILLIAM HUTSON PRIOLEAU, JR. Charleston, S. C. 520 *N. Bdway.*
S. B., University of South Carolina, 1918.

SAMUEL FITZSIMONS RAVENEL. Green Pond, S. C. 518 *N. Bdway.*
A. B., University of North Carolina, 1918.

HERMAN H. RIECKER. Beverly, O. 120 *Jackson Pl.*
A. B., Marietta College, 1917.

MARGARET VIRGINIA ROBINSON. Clarksburg, W.Va. 1732 *E. Fayette St.*
A. B., Goucher College, 1915.

ALEXANDER JONAS SCHAFFER. Baltimore. 2566 *McCulloh St.*
A. B., Johns Hopkins University, 1920.

GRACE RUSSELL SEAGRAVE. Baltimore. 214 *E. 20th St.*
S. B., Denison University, 1917.

PENELOPE SHERWOOD. Cornwall, N. Y. 101 *Jackson Pl.*
A. B., Vassar College, 1919.

EDWARD WILSON SICKEL. Baltimore. 1316 *N. Caroline St.*
A. B., Johns Hopkins University, 1920.

ISIDORE ABRAHAM SIEGEL. Baltimore. 1815 *Pennsylvania Av.*
A. B., Johns Hopkins University, 1919.

MIRIAM ELIZABETH SIMPSON. Berkeley, Calif. 512 *N. Bdway.*
A. B., A. M., and Ph. D., University of California, 1915, 1916, and 1921; Medical Student, *ibid.*, 1918 1921.

FRANKLIN FAUST SNYDER. Lancaster, Pa. 1529 *N. Broadway.*
S. B., Princeton University, 1919.

SUSIE PAGE SOUTHER. Lincoln, Neb. 1530 *N. Bdway.*
A. B., University of Nebraska, 1918.

WALTER BLAIR STEWART. Atlantic City, N. J. 1022 *N. Bdway.*
S. B., Princeton University, 1920.

THOMAS HENRY SUTHERLAND. Columbus, O. 1626 *E. Oliver St.*
A. B., Ohio State University, 1919.

GEORGE BRADLEY SYBERT. Elkridge. *Elkridge.*
A. B., Loyola College, 1919.

HERBERT FREDERICK TRAUT. Spokane, Wash. 1010 *N. Bdway.*
S. B., Whitman College, 1917.

VINCENT DAVIS VERMOOTEN. Belfast, S. Africa. 1610 *E. Biddle St.*
A. B., and A. M., University of Cape Town, 1918 and 1919.

EUGENE BENTON VICKERY. Dahlonega, Ga. 927 *N. Broadway.*
A. B., North Georgia Agricultural College, 1919.

PIERRE JAQUA WALKER. Los Angeles, Cal. 606 *N. Bdway.*
A. B., University of California, 1917.

PAUL CHAMBERLAIN WALTER. Harrisburg, Pa. 521 *N. Wolfe St.*
S. B., Princeton University, 1919.

ARTHUR PAUL WILKINSON. Crawfordsville, Ind. 1612 *E. Biddle St.*
A. B., Wabash College, 1917.

TIFFANY JOHNS WILLIAMS. Baltimore. 619 *N. Carey St.*
A. B., Johns Hopkins University, 1919.

HENRY VAN PETERS WILSON, JR. Chapel Hill, N. C. 518 *N. Bdway.*
A. B., University of North Carolina, 1918.

JULIUS LANE WILSON. New York, N. Y. 1538 *N. Bdway.*
S. B., Princeton University, 1918.

ROBERT MORRIS WYLIE. Huntington, W. Va. 1325 *E. Biddle St.*
A. B., Denison University, 1904, and A. M., 1909.

JAMES ARTHUR YORK. Mt. Ranier. 606 *N. Broadway.*
A. B., Randolph Macon College, 1916.

PAULINE ZINNINGER. Canton, O. 1237 *N. Caroline St.*
A. B, Oberlin College, 1917.

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Second Year

HENRY S. ACKEN, JR. Maplewood, N. J. 1727 *N. Bdway.*
A. B., Williams College, 1920.

WILLIAM BANKS ANDERSON. Haw River, N. C. 806 *N. Bdway.*
A. B., University of North Carolina, 1920.

DUDLEY CURTIS ASHTON. Richmond, Va. 521 *N. Wolfe St.*
A. B., Richmond College, 1920.

KONRAD ELIAS BIRKHAUG. Bergen, Norway. 606 *N. Bdway.*
S. B., Jamestown College, 1917.

CLEVELAND EARL BRANNER. New Market, Va. 1622 *E. Biddle St.*
A. B., Roanoke College, 1920.

GEORGE BERNHART BRIEL. Richmond, Va. 521 *N. Wolfe St.*
A. B., Richmond College, 1920.

THOMAS TERRY BURGER. Baltimore. *Roland Av.*
A. B., Johns Hopkins University, 1920.

TAYLOR STUKES BURGESS. Atlanta, Ga. 1727 *N. Broadway.*
S. B., College of Charleston, 1920.

GEORGE SCHOLL CATTANACH. Baltimore. 5824 *York Rd.*
A. B., Johns Hopkins University, 1920.

GEORGE ARCHIBALD CHALFANT. Pittsburgh, Pa. 1519 *N. Bdway.*
S. B., Lafayette College, 1920.

KATHERINE TSUICHEN CHEN. Shanghai, China. 222 *E. Biddle St.*
A. B., Ohio Wesleyan University, 1920.

FRANCIS DANA COMAN. Buffalo, N. Y. 1222 *N. Broadway.*
A. B., Syracuse University, 1912 and A. M., Harvard University, 1920.

ARCHIBALD BARKLIE COULTER. Baltimore. 225 *W. Preston St.*
A. B., Catholic University of America, 1918.

THOMAS FARRELL DANIELS. Savannah, Ga.
Plaza Apt. 10, *Park Av. and Wilson St.*
A. B., Mt. St. Mary's College, 1919.

WORTH BAGLEY DANIELS. Raleigh, N. C. 806 *N. Broadway.*
A. B., University of North Carolina, 1920.

EVA FRANCETTE DODGE. Athol, Mass. 146 *N. Bradway.*
A. B., Ohio Wesleyan University, 1919.

WATT WEEMS EAGLE. Statesville, N. C. 518 *N. Bdway.*
A. B., University of North Carolina, 1918; Graduate Student, *ibid.*, 1919.

WARD LEROY EKAS. Williamstown, W. Va. 1322 *N. Caroline St.*
A. B., Marietta College, 1920.

READ MCLANE ELLSWORTH. Portland, Ore. 518 *N. Broadway.*
A. B., Reed College, 1919; Graduate Student, *ibid.*, 1919 20.

ROY F. FEEMSTER. Baltimore. 104 *Jackson Pl.*
A. B., Southwestern University, 1921.

WALTER BLAINE FELGER. Canton, O. 1020 *N. Broadway.*
A. B., University of Illinois, 1916; Graduate Student, Johns Hopkins University, 1919 1920.

PEDRO PARDO DE FIGUEROA. Lima, Peru. 3024 *Abell Av.*
S. B., Universidad Mayor de San Marcos, 1915.

EDWARD MAX FINESILVER. Hartford, Conn. 1620 *E. Biddle St.*
A. B., and A. M., Trinity College (Conn.), 1920.

ELLEN BOYDEN FINLEY. Albany, N. Y. *Homewood Apts.*
A. B., Vassar College, 1916.

MERRILL RUSSELL FOX. Crafton, Pa. 1228 *N. Eden St.*
A. B., Washington and Jefferson College, 1917.

ARABELLA SANGSTER GAULT. Coshocton, O. 127 *Jackson Pl.*
A. B., The College of Wooster, 1919, Graduate Student, Ohio State University, 1919-1920.

LOUIS PORTER GOOD. York, S. C. 1220 *N. Eden St.*
S. B., and A. M., Davidson College, 1920.

MORRIS H. GOODMAN. Baltimore. 100 *W. West St.*
A. B., Johns Hopkins University, 1920.

MARGARET ELIZABETH GROVE. Bloomsburg, Pa. 515 *N. Wolfe St.*
S. B., Pennsylvania State College, 1920.

OSCAR CARL EDWARD HANSEN. Lima, Peru. 2 *Roland Av.*
A. B., Universidad Mayor de San Marcos, 1919.

WILLIAM SESSIONS HANNAH. Montgomery, Ala. 221 *E. Preston St.*
A. B., University of Alabama, 1920; Medical Student, Tulane University, 1920-21.

JAMES BRYAN HICKS. Graceville, Fla. 120 *Jackson Pl.*
S. B., University of Alabama, 1920.

AKIBA JOSEPH HIMMELHOCH. Detroit, Mich. 1404 *E. Chase St.*
A. B., University of Michigan, 1920.

BENJAMIN ERVIN HODGE. Chattanooga, Tenn. 1226 *N. Bdway.*
A. B., Clark College, 1920.

JOSEPHINE POE JANUARY. St. Louis, Mo. 800 *N. Bdway.*
A. B., Wellesley College, 1919.

ALVIN EMANUEL KELLER. Ensley, Ala. 1404 *E. Chase St.*
A. B., University of Alabama, 1920.

JOHN DUDLEY KEYE. Fargo, N. D. 518 *N. Broadway.*
S. B., Fargo College, 1920.

WILLIAM HOWELL KISER, JR. Atlanta, Ga. 410 *N. Broadway.*
A. B., Yale University, 1920.

CLEMENS I. KRANTZ. St. Paul, Minn. 1620 *E. Biddle St.*
A. B., Johns Hopkins University, 1920.

JOHN GROVE KUHNS. Mt. Joy, Pa. 1622 *E. Biddle St.*
A. B., Franklin and Marshall College, 1920.

HENRY WILLIAM LAMB. Portland, Me. 518 *N. Bdway.*
A. B., Bowdoin College, 1920.

OGILVIE MILLER LARIMORE. Clifton, Kans. 807 *N. Washington St.*
A. B., University of Kansas, 1920.

ELEANOR ISABEL LESLIE. Chicago, Ill. 1029 *N. Broadway.*
A. B., Vassar College, 1916; M. S., University of Wisconsin, 1921; Medical Student, University of Wisconsin, 1920 21.

MAX LEVIN. Baltimore. 2223 *Mondawmin Av.*
A. B., Johns Hopkins University, 1920.

JOHNSON MCGUIRE. Alexandria, Va. 510 *N. Bdway.*
S. B., University of Virginia, 1920.

GEORGE CLYDE MCKINSTRY. Laurel, Miss. 1226 *N. Broadway.*
S. B., University of Mississippi, 1918.

NEILL SMITH MCLEOD. Quitman, Ga. 606 *N. Broadway.*
S. B., Oglethorpe University, 1920.

MARY LOUISE MALL. Baltimore. 1020 *Cathedral St.*
A. B., Bryn Mawr College, 1920.

LOUIS EVERETT MARTIN. Pasadena, Cal. 518 *N. Broadway.*
A. B., Colorado College, 1920.

VIRGINIA HELM MILNER. Union Star, Ky. 515 *N. Wolfe St.*
A. B., University of Kentucky, 1920.

KENNETH STUART OLIVER. Germantown, Pa. 510 *N. Bdway.*
A. B., Haverford College, 1920.

CLIFFORD ASHMEAD OOSTHUIZEN. Cape Province, S. Africa.
1610 *E. Biddle St.*
A. B., University of Cape Town, 1919, and A. M., 1920; Medical Student, *ibid.*, 1920 21.

ELLA HUTZLER OPPENHEIMER. Baltimore, Md.
9 *Lawina Rd. Windsor Hills.*
A. B., Goucher College, 1918; School of Hygiene and Public Health, 1919-1921.

RAWLEY MARTIN PENICK, JR. Shreveport, La. 410 *N. Bdway.*
Ph. B., Yale University, 1920.

HAROLD WARNICA PRICE. Toronto, Can. 104 *Jackson Pl.*
A B., University of Toronto, 1921; Medical Student, *ibid.*, 1919 1921.

DAVID MCKENZIE RIOCH. Indianapolis, Ind. 1522 *N. Bdway.*
A. B., Butler College, 1920.

FREDERICK WILLIAM ROBERTS. New Haven, Conn. 518 *N. Bdway.*
Ph. B., Yale University, 1920.

CHARLES DILLER RYAN. Springfield, Ill. 806 *N. Bdway.*
A. B., Harvard University, 1910.

LEROY WARREN SAUNDERS. Colerain, N. C. 518 *N. Bdway.*
A. B., Trinity College (N. C.), 1920.

JAMES WARREN SAYRE. Callao, Va. 1622 *E. Biddle St.*
A. B., Randolph Macon College, 1920.

AUGUSTO D. SBARBARO. Lima, Peru. 2932 *N. Calvert St.*
S. B., Universidad Mayor de San Marcos, 1915.

JOHN EDWIN SCARFF. Bellefontaine, O. 1254 *N. Bdway.*
S. B., Princeton University, 1920.

LOUISE DE SCHWEINITZ. Bethlehem, Pa. 800 *N. Bdway.*
A. B., Smith College, 1918; Graduate Student, Columbia University, 1919 20.

NATHAN H. SHPRITZ. Baltimore. 130 *N. Broadway.*
A. B., Johns Hopkins University, 1919.

ROBERT HOOPER SMITH. Baltimore. 101 *W. 39th St.*
A. B., Williams College, 1919.

FREDERICK AMOS SNYDER. Struthers, O. 1622 *E. Biddle St.*
A. B., Johns Hopkins University, 1920.

WILLIAM ALFRED STRAUSS. Baltimore Co. *Halethorpe.*
A. B., Johns Hopkins University, 1920.

WILLIAM CARL STUDE. Baltimore Co. *Catonsville.*
A. B., Johns Hopkins University, 1920.

MARSHALL JAMES THOMPSON, JR. Perdido Sta., Ala.
S. B., University of Alabama, 1920. 104 *Jackson Pl.*

EDNA HUTCHINSON TOMPKINS. Cambridge, Mass. 313 *N. Bdway.*
A. B., Radcliffe College, 1913.

ROY HOPE TURNER. Dadeville, Ala. 120 *Jackson Pl.*
S. B., Alabama Polytechnic Institute, 1920.

CAMILLA RUTH TUTHILL. Waymart, Pa. 512 *N. Bdway.*
A. B., Wellesley College, 1915; A. M., Columbia University, 1920.

JAMES LEONARD VICKERS. Huntington, W. Va. 529 *N. Wolfe St.*
A. B., Johns Hopkins University, 1919; M. S., University of Wisconsin, 1921; Medical Student, University of Wisconsin, 1920 1921.

JAMES ARTHUR WEINBERG. Lonaconing. 1404 *E. Chase St.*
A. B., Johns Hopkins University, 1921; Medical Student, University of Wisconsin, 1920 1921.

HERBERT SPENCER WELLS. McConnelsville, O. 120 *Jackson Pl.*
A. B., Marietta College, 1920.

NELSON DAVID WIDMER. Upland, Cal. 1226 *N. Broadway.*
A. B., Pomona College, 1920.

SCOTT JACKSON WILKINSON. Bethany, Ill. 1047 *N. Caroline St.*
A. B., University of Illinois, 1920.

CHARLES PEARSON WILSON, Linnton, Ore. 518 *N. Broadway.*
A. B., Reed College, 1920.

WILLIAM MILES WILSON. Portland ,Ore. 518 N. *Broadway.*
S. B., Whitman College, 1920.

ROBERT BROY WRIGHT. Harrodsburg, Ky. 1022 *N. Bdway.*
S. B., Centre College (Ky.), 1920.

HUI CHING YEN. Foo Chow, China. 222 *E. Biddle St.*
A. B., Oberlin College, 1920.

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First Year

ROBERT TURNER ALLISON, JR. York, S. C. 1016 *N. Broadway.*
S. B., Davidson College, 1920.

ANN CATHERINE ARTHURS. Baltimore. 104 *E. 25th St.*
A. B., Bryn Mawr, 1912; Graduate Student, Johns Hopkins University, 1920-21.

EVERT ABRAM BANCKER III. Atlanta, Ga. 708 *N. Broadway.*
S. B., University of the South, 1922.

JOHN TREXLER BAUER. Allentown, Pa. 1632 *Jefferson St.*
S. B., Muhlenberg College, 1921.

CLIFTON HAROLD BERLINGHOF. Scranton, Pa. 1521 *N. Bdway.*
A. B., Wesleyan University (Ct.), 1921.

GEORGE PACKER BERRY. New York, N. Y. 1254 *N. Bdway.*
A. B., Princeton University, 1921.

RALPH FIRESTONE BOWERS. Frederick. 1016 *N. Broadway.*
A. B., Johns Hopkins University, 1921.

*CHARLES HOLMES BOYD. Baltimore. 116 *Jackson Pl.*
B. E.. Johns Hopkins University, 1921; Graduate Student, University of Chicago, Summer of 1921.

JAMES EDWARD BRESLIN. Providence, R. I. 1226 *N. Bdway.*
Ph. B., Brown University, 1921.

ELIZABETH LYNN BRYAN. Baltimore. 3702 *Duvall Av.*
A. B., Goucher College, 1920.

FREDERIC RUSSELL CALKINS, JR. Watertown, N. Y.
A. B., Johns Hopkins University, 1921.

BURDELLE S. CANNON. Baltimore. 2143 *Homewood Av.*
A. B., Johns Hopkins University, 1921.

LACHLAN MCARTHUR CATTANACH. Baltimore. 5824 *York Road.*
A. B., Johns Hopkins University, 1921.

ALEXANDER W. CAVINS. Indianapolis, Ind. 1522 *N. Bdway.*
A. B., Butler College, 1921.

ALVIN FREDERICK COBURN. Summerville, S. C. 1622 *E. Biddle St.*
A. B., Yale University, 1921.

JANET H. COLEMAN. Williamsburg, Va. 800 *N. Bdway.*
A. B., College of William and Mary, 1921.

JEAN PAUL DIXON. E. Stroudsburg, Pa. 104 *Jackson Pl.*
A. B., Princeton University, 1921.

GEORGE BILLOW DORNBLASER. Pittsburgh, Pa. 1022 *N. Bdway.*
S. B., University of Pittsburgh, 1921.

CHARLES WELBY DORSEY, JR. Baltimore.. 1007 *Madison Av.*
A. B., Williams College, 1921.

JOHN SHELDON EASTLAND. Darien Center, N. Y.
A. B., Johns Hopkins University, 1921. 2736 *N. Calvert St.*

LEWIS ANGEVINE ELDRIDGE, JR. Hempstead, L. I., N. Y.
A. B., Harvard University, 1921. 2804 *N. Calvert St.*

HOUSTON SPENCER EVERETT. Rockingham, N. C. 1016 *N. Bdway.*
A. B. and A. M., University of North Carolina, 1920 and 1921.

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* Entered January 1, 1922.

ROBERT THORNTON EWING. Logan, O. 1013 *N. Broadway.*
A. B., Ohio University, 1921.

GEORGE GROSS FINNEY. Baltimore. 1300 *Eutaw Pl.*
A. B., Princeton University, 1921.

IRVINE MOORE FLINN, JR. Wilmington, Del. 1612 *E. Biddle St.*
A. B., Princeton University, 1921.

EDWARD LESTER FOOTE. Baltimore. 3821 *Ashburton Av.*
A. B., Johns Hopkins University, 1921.

SHERMAN SCOTT GARRETT. Champaign, Ill. 1519 *N. Bdway.*
A. B., University of Illinois, 1921.

SAMUEL GLICK. Baltimore. 900 *Warner St.*
A. B., Johns Hopkins University, 1920.

JOHN VIVIAN GOODE. Ft. Worth, Tex. 1028 *N. Bdway.*
A. B., University of Texas, 1920.

HARRIET GRIGGS GUILD. Windham, Conn. 800 *N. Bdway.*
A. B., Vassar College, 1920.

META FRANCES HALDEMAN. Doylestown, Pa. 146 *N. Bdway.*
S. B., Bucknell University, 1919.

LAWRENCE WEIS HECHT. Havre de Grace. 522 *N. Bdway.*
S. B., St. John's College, 1921

GEORGE S. HELLER. Richmond, Va. 1404 *E. Chase St.*
S. B., University of Virginia, 1921.

HELEN LOUISE HOPKINS. Los Angeles, Calif. 704 *N. Bdway.*
A. B., University of California, 1920 and A. M., 1921.

NELSON JACOB HOWARD. Pocatello, Idaho. 1016 *N. Bdway.*
A. B., Johns Hopkins University, 1921.

JAMES THERON HUNTER. Eskridge, Kans. 104 *Jaskson Pl.*
S. B., Washburn College, 1920.

CALVIN HYMAN. Baltimore. 1611 *Payson St.*
A. B., Johns Hopkins University, 1921.

PAO CHU. I. Hangchow, China. 1029 *N. Bdway.*
S. B., University of Chicago, 1921.

EDWARD CARROLL JAMES, JR. Bent Creek, Va. 708 *N. Bdway.*
S. B., and A. M., Oglethorpe Unversity, 1920 and 1921.

JAMES THOMAS JOHNSON, JR. Cumberland. 1044 *N. Broadway.*
A. B., Johns Hopkins University, 1921.

WILLIA THEODORE KING. Binghampton, N. Y. 104 *Jackson Pl.*
A. B., Hamilton College, 1921.

GROVER CLEVELAND KIRK. Washington, D. C. 1522 *N. Bdway.*
A. B., Temple University, 1913; A. M., University of Pennsylvania, 1916.

WILLIAM KRAUS. Pittsburgh, Pa. 1404 *E. Chase St.*
S. B., University of Pittsburgh, 1920.

HERMAN HENRY WILLIAM KUMM. Summit, N. J. *Towson.*
S. B., Haverford College, 1921.

JOHN SPENCER KELLY. Albany, N. Y. 828 *N. Broadway.*
S. B., Lafayette College, 1920.

ABRAHAM JUDA LEVY. Baltimore. 1904 *E. Baltimore St.*
A. B., Johns Hopkins University, 1922.

SHIH-HSI LIN. Canton, China. 2518 *Maryland Av.*
A. B., Johns Hopkins University, 1921.

LLEWELLYN W. LORD. Baltimore. 1011 *N. Charles St.*
A. B., Johns Hopkins University, 1921.

DOROTHY SOPHIE LUBIN. Bryn Mawr, Pa. 938 *N. Bdway.*
A. B., Bryn Mawr College, 1921.

FRANK WINFIELD MCINDOE. Greensburg, Pa. 1808 *N. Bdway.*
S. B., Washington and Jefferson College, 1921.

ARTHUR JOHN MCLEAN. Seattle, Wash. 1028 *N. Bdway.*
A. B., Reed College, 1921.

EDWARD DAVIS MAIRE. Detroit, Mich. 1013 *N. Bdway.*
A. M., and S. B., Kenyon College, 1921.

SAMUEL FREDERICK MARSHALL. Hagerstown. 1626 *E. Biddle St.*
A. B., Johns Hopkins University, 1921.

RAOUL MICHEL MAY. Los Angeles, Calif. 521 *N. Wolfe St.*
A. B., Leland Stanford Jr., Univ., 1921.

MAURICE WILLIAM MILLER. Summit Hill, Pa. 522 *N. Bdway.*
A. B., Franklin and Marshall College, 1916.

THEODORE MORICI. Passaic, N. J. 810 *N. Broadway.*
A. B., Johns Hopkins University, 1921.

HENRY DARLING NILES. Baltimore. 2522 *N. Charles St.*
A. B., Johns Hopkins University, 1921.

VERNON HYATT NORWOOD. Baltimore. *Windsor Hills.*
A. B., Johns Hopkins University, 1921.

CHARLES O'DONOVAN, JR. Baltimore. 5 *E. Read St.*
A. B., Catholic University of America, 1921.

LAURENCE S. OTELL. Branford, Conn. 810 *N. Bdway.*
A. B., Catholic University of America, 1919.

ORRA ALMIRA PHELPS. Gansevoort, R. F. D., N. Y.
A. B., Mount Holyoke College, 1916. 1411 *Eutaw Pl.*

EDWARD MORSE PICKFORD. Washington, D. C. 1016 *N. Bdway.*
A. B., Johns Hopkins University, 1921.

LEWIS CHARLES PUSCH. Sandusky, O. 3042 *Abell Av.*
A. B., Johns Hopkins University, 1921.

GILBERT ALONZO RATCLIFF. Kingman, Ind. 104 *Jackson Pl.*
A. B., Indiana University, 1920.

JUNIUS MOTT RAWLINGS. El Paso, Tex. 1254 *N. Bdway.*
S. B., University (Princeton), 1921.

HELEN WEBB REITSMA. Cliftondale, Mass. 800 *N. Bdway.*
A. B., Mt. Holyoke College, 1921.

LEWIS CASS RICHMOND, JR. Inez, Ky. 520 *N. Broadway.*
A. B., Trinity College (N. C.), 1921.

WILLIAM TOWNSEND RITTER. Woodlawn. *Woodlawn.*
A. B., Johns Hopkins University, 1921.

PHILLIP ELIAS ROTHMAN. Detroit, Mich. 1612 *E. Biddle St.*
A. B., Johns Hopkins University, 1922.

BENJAMIN HUGER RUTLEDGE, JR. Charleston, S. C. 1208 *Eutaw Pl.*
Virginia Military Institute, 1917 19; A. B., Johns Hopkins University, 1921.

ROBERT SALINGER. Piedmont, Calif. 2801 *W. North Av.*
S. B., University of California, 1916; Graduate Student, Johns Hopkins University, 1920 1921.

DANIEL LAMONT SECKINGER. Savannah, Ga. *Raspeburg, Md.* Box 254.
A. B., Lenoir College, 1913; A. M., University of North Carolina, 1915.

EZRA ABRAHAM SHARP. Providence, R. I. 1216 *N. Bdway.*
A. B., Harvard University, 1921.

HOPE SHERMAN. Baltimore. 112 *W. 22nd St.*
A. B., Smith College, 1907; Ph. D., University of Chicago, 1920.

MILTON SHERRY. Baltimore. 1104 *Light St.*
A. B., Johns Hopkins University, 1921.

FRANK ROBERT SMITH, JR. Baltimore. 927 *N. Calvert St.*
A. B., Johns Hopkins University, 1921.

HOWARD CHANDLER SMITH. Gate City, Va. 1216 *N. Bdway.*
A. B., William and Mary College, 1920.

JOHN MURRAY STEELE, JR. Garrison. *Garrison.*
A. B., Harvard University, 1921.

HYMAN STRAUSS. Bristol, Va. 1034 *N. Broadway.*
A. B., Johns Hopkins University, 1921.

ELMER JAY TEAGARDEN, JR. Brewster, N. Y. 104 *Jackson Pl.*
Ph. B., Yale University, 1920.

HARRY VERNON THOMAS. Wheeling, W. Va. 104 *Jackson Pl.*
S. B., Bucknell University, 1921.

THEODORE MCKEE TROUSDALE. Ithaca, N. Y. 1254 *N. Broadway.*
A. B., Cornell University, 1921.

LUCAS NEWTON TURK, JR. Homer, Ga. 708 *N. Broadway.*
A. B. and A. M., Oglethorpe University, 1920.

WILLIAM FREMONT WAGNER. Los Angeles, Calif. 1032 *N. Bdway.*
A. B., Pomona College, 1921.

ELMER GLENN WAKEFIELD. Nashville, Ark. 1605 *E. Chase St.*
S. B., University of Arkansas, 1921.

ZOK TSUNG WANG. Washington, D. C. 222 *E. Biddle St.*
S. B., University of Chicago, 1921.

MILO RITTER WHITE. Bristol, Ind. 522 *N. Broadway.*
A. B., George Washington University, 1921.

DEAN COPPER WIDENER. Okmulgee, Okla. 1112 *N. Bond St.*
A. B., Swarthmore College, 1918.

CHARLES REED WILLSON. E. Palestine, O. 1519 *N. Bdway.*
A. B., Wooster College, 1921.

WILLIAM RIVES WILSON. Evansville, Ind. 1529 *N. Bdway.*
S. B., University of Kentucky, 1921.

KATHARINE FOX WOODWARD. Worcester, Mass. 938 *N. Bdway.*
A. B., Bryn Mawr College, 1921.

WILLIAM BELLAMY YOUNG, JR. Middletown, Conn. 1044 *N. Bdway.*
A. B., Wesleyan University (Conn.), 1921.

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PHYSICIANS ATTENDING GRADUATE COURSES, 1920-1921 *

CHARLES A. ANDERSON. Burlington, N. C.
M. D., College of Physicians and Surgeons (Balt.), 1901. *Medicine.*

EMILY BLAKESLEE. Sandusky, O.
M. D., Ohio State University, 1897. *Medicine.*

JOHN A. BRADLEY. Steubenville, O.
M. D., Jefferson Medical College, 1906. *Medicine.*

J. BERNARD COHEN. New York, N. Y.
M. D., New York University, 1907. *Medicine.*

AARON T. COLNON. Oswego, N. Y.
M. D., University of Syracuse, 1909. *Medicine.*

STERLING S. COOK. Paris, S. C.
M. D., Medical College of Virginia, 1917. *Medicine.*

GEORGE R. CREEKMORE. Brookville, Fla.
M. D., University of Georgia, 1906. *Medicine.*

EDWARD G. CROMWELL. Henry, Ill.
M. D., Chicago Homeopathic College, 1896. *Medicine.*

ARTHUR J. DAVIES. Baltimore.
M. D., Atlantic Medical College, 1910. *Medicine.*

GEORGE FAHR. Madison, Wis.
M. D., University of Wurzburg, 1909. *Medicine.*

LEONARD HAYS. Hagerstown.
M. D., University of Maryland, 1913. *Medicine.*

FREDERICK E. HESSER. Baltimore.
M. D., Atlantic Medical College, 1904. *Medicine.*

THOMAS M. KAIN. Camden, N. J.
M. D., Jefferson Medical College, 1912. *Medicine.*

CHARLES C. KEMBLE. Erie, Pa.
M. D., Jefferson Medical College, 1897. *Medicine.*

WILLIAM P. KENEALY. Washington, D. C.
M. D., George Washington University, 1915. *Medicine.*

MALCOLM MCCALLUM. Erie, Pa.
M. D., Baltimore Medical College, 1901. *Medicine.*

JAMES W. NELSON. Parkersburg, W. Va.
M. D., Baltimore Medical College, 1908. *Medicine.*

ALBERT J. NUNNAMAKER. Cincinnati, O.
M. D., Eclectic Medical College (Ohio), 1914. *Medicine.*

* Not included in the Register for 1920 21.

WENDELL A. PAIGE. Brownwood, Tex.
M. D., George Washington University, 1911. *Medicine.*

PAUL RICHMOND, JR. Washington, D. C.
M. D., Georgetown College, 1914. *Medicine.*

BARNEY B. ROGAN. Selma, Ala.
M. D., College of Physicians and Surgeons (Balt.), 1898. *Medicine.*

WILLIAM H. ROUECHE. Erie, Pa.
M. D., University of Maryland, 1895. *Medicine.*

LILLIAN SHIELDS. Oakland, Cal.
M. D., Stanford University, 1902. *Medicine.*

THOMAS R. THORBURN. New York, N. Y.
M. D., New York Homeopathic College, 1918.

ARNOLD TRAUBITZ. Vanduesen, Mo.
M. D., Barnes University, 1906. *Medicine.*

LEON V. URBANOWSKI. La Salle, Ill.
M. D., St. Louis University, 1917. *Medicine.*

HORATIO L. WOODSIDE. Bigler, Pa.
M. D., Jefferson Medical College, 1908. *Medicine.*

HERMAN W. WUERTHELE. Pittsburgh, Pa.
M. D., Western University of Pennsylvania. *Medicine.*

EUGENE J. ZELLER. Raspeburg.
M. D., University of Maryland, 1915. *Medicine.*

III. SCHOOL OF HYGIENE AND PUBLIC HEALTH

FELLOWS BY COURTESY

ALFRED JAMES LOTKA, Sc. D.

S. B., and Sc. D., Mason College, Birmingham University (England), 1901 and 1912; A. M., Cornell University, 1909.

625 St. Paul St.

SAMUEL TAYLOR DARLING, M. D.

M. D., College of Physicians and Surgeons (Balt.), 1903; Professor of Hygiene and Director of Hygienic Laboratories, Faculdade de Medicina e Cirurgia, São Paulo, Brazil, 1917—.

1109 St. Paul St.

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FELLOWS

LEMMIE ROSCOE CLEVELAND. Union, Miss. 220 *W. Monument St.*

S. B., University of Mississippi, 1917. *Protozoology.*

HOBART WILLIAM CROMWELL. Center Point, Ind. 1922 *Madison Av.*

A. B., Indiana State Normal School, 1917. *Immunology.*

FRANK LOUIS KLEEBERGER. Berkeley, Cal. *Y. M. C. A.*

S. B. and A. M., University of California, 1908 and 1915. *Physiology.*

HENRIETTA LISK. Fort McCoy, Fla. 1610 *Bolton St.*

S. B. and S. M., Florida State College, 1907 and 1909; A. M., Columbia University, 1917. *Bacteriology.*

SAMUEL PITLIK. Worcester, Mass. 14 *N. Chester St.*

A. B., Clark College, 1917; A. M., University of Chicago, 1918. *Statistics.*

BRUCE DODSON REYNOLDS. Long Island, Va. 813 *N. Howard St.*

S. B., University of Virginia, 1920. *Protozoology.*

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ROCKEFELLER FOUNDATION FELLOWS

JOSEPH ALBERT BAUDOUIN. Montreal, Canada. 2712 *N. Charles St.*

M. D. and D. P. H., Laval University, 1900 and 1912.

ADOLPH SYLVESTER RUMREICH. Pisek, N. D. 2237 *Mondawmin Av.*

A. B., University of North Dakota, 1917; M. D., Washington University, 1920.

NORMAN RUDOLPH STOLL. Detroit, Mich. 3709 *Yosemite Av.*

S. B., Mount Union College, 1915; S. M., University of Michigan, 1918.

(3)

INTERNATIONAL HEALTH BOARD FELLOWS

ANTONIO LUIZ DE BARROS BARRETO. Rio Janeiro, Brazil.
B. Sc. e Lett., Gymnasio of Pernambuco, 1910; Certificate in Microbiology and Medical Zoology, Instituto Oswaldo Cruz, Rio Janeiro, 1914; M. D., Faculdade de Medicina, Rio Janeiro, 1917.
915 *N. Charles St.*

ANDRÉS CASTRO. San Jose, Costa Rica. 1114 *Madison Av.*
M. D. University of Maryland, 1921.

ENRIQUE ENCISCO RUIZ. Bogota, Columbia. 1402 *Eutaw Place.*
B. Ph. e Lett., Colegio Mayor del Rosario, 1911; M. D., Faculdade de Medicina, Bogota, 1919.

ARMINIO FRAGA. Rio Janeiro, Brazil. 915 *N. Charles St.*
M. D., Bahia Medical School, 1917.

LUIS GAITAN. Guatemala, C. A. 312 *W. Monument St.*
M. D., Guatemala University, 1900; Member of Commission against Yellow Fever; Inspector of Hygiene in the South Zone of Guatemala.

JOSE GUERRERO. Leon, Nicaragua. 3327 *Alto Av.*
B. Sc. e Lett., National Institute of Occidente, 1912; M. D., University of Michigan, 1919.

VILEM HONS. Padoli by Prague, Czechoslovakia. 2332 *Guilford Av.*
M. D., University of Prague, 1915.

CHARLES ROBERT LARDE. Salvador, C. A. 1626 *Eutaw Place.*
Bach., National Institute, Salvador, 1913; M. D., National University, Salvador, 1921.

THOMAS JOHN LE BLANC. Cheboygan, Mich. 312 *W. Monument St.*
A. B. and M. S. P. H., University of Michigan, 1917 and 1920.

JARKA MASEK. Nova Paka, Bohemia. 1623 *St. Paul St.*
M. D., University of Prague, 1913.

FAUSTO ROBLETO. Granada, Nicaragua.
M. D., Universidad Angelo Politana, Mexico, 1915.

OTOKAR SLANINA. Brno, Moravia. *St. Paul and 25th Sts.*
M. D., University of Prague, 1909.

JAMES SHIRLEY SWEENEY. Gainesville, Texas. 35 *Talbot Rd.*
A. B. and A. M., Texas Christian University, 1917 and 1918; M. D., Vanderbilt University, 1921.

CZESLAW WROCZYNSKI. Biala, Poland. *St. Paul and 25th Sts.*
M. D., University of Saratow, 1915.

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STUDENTS

CANDIDATES FOR THE DEGREE OF DOCTOR OF PUBLIC HEALTH

RUFINO ABRIOL. Manila, P. I. 1203 *Madison Av.*
M. D., University of Illinois, 1913; D. T. M., University of the Philippines, 1916; C. P. H., Johns Hopkins University, 1921.

ANTONIO LUIZ DE BARROS BARRETO. Rio Janeiro, Brazil.

B. Sc. e Lett., Gymnasio of Pernambuco, 1910; Certificate in Microbiology and Medical Zoology, Instituto Oswaldo Cruz, Rio Janeiro, 1914; M. D., Faculdade de Medicina, Rio Janeiro, 1917.

915 *N. Charles St.*

JOHN COLLINSON. Baltimore. 16 *W. Saratoga. St.*

A. B., St. John's College, 1907; M. D., Johns Hopkins University, 1911.

FRANK EDWARD COUGHLIN. Luzerne, Pa. 825 *Hamilton Terr.*

S. B., Lafayette College, 1920; M. D., University of Michigan, 1921.

CARL RUPP DOERING. Fort Worth, Tex. 35 *Talbot Rd.*

A. B., Texas Christian University, 1921; M. D., Baylor Medical College, 1921.

ENRIQUE ENCISO RUIZ. Bogota, Colombia. 1402 *Eutaw Place.*

B. Ph. e Lett., Colegio Mayor del Rosario, 1911; M. D., Faculdade de Medicina, Bogota, 1919.

MORRILL LEONARD ILSLEY. Washington, D. C. 2227 *Eutaw Place.*

A. B., Colby College, 1917; M. D., Johns Hopkins University, 1921.

ARTHUR D. KNOTT. Salt Lake City, Utah. 101 *E. Monument St.*

A. B., Bethel College, 1896; M. D., Vanderbilt University, 1900.

CHARLES ROBERT LARDE. Salvador, C. A. 2016 *Madison Av.*

Bach., National Institute, Salvador, 1913; M. D., National University, Salvador, 1921.

WILLIAM CURRY MARTIN. Lexington, Ky. *Sydenham Hospital.*

A. B., University of Kentucky, 1916; M. D., Johns Hopkins University, 1920.

JOHN WILLIAM MEEHAN. York, Neb.

A. B. and A. M., St. Mary's College, 1904 and 1906; M. D., Creighton University, 1908; Major, Medical Corps, U. S. A.

CHALERM PROMMAS. Tark Town, Siam. 1227 *Madison Av.*

M. D., Chulalongkorn University, 1918.

ROBERT HICKMAN RILEY. Catonsville. 16 *W. Saratoga St.*

S. B. and M. D., University of Oklahoma, 1909 and 1913.

CATHRYN VEDALIA RILEY. Washington, D. C. 1713 *Fairmount Av.*

A. B., Wellesley College, 1912; S. B., Cornell University, 1916; A. M., Johns Hopkins University, 1916; Fourth year medical student, J. H. U.

ADOLPH SILVESTER RUMREICH. Pisek, N. Dak. 2237 *Mondawmin Av.*

A. B., University of North Dakota, 1917; M. D., Washington University, 1920.

LOUIS SCHAPIRO. New York City. *Altamont Hotel.*

M. D., George Washington University, 1907; Director in Costa Rica, International Health Board, 1914-1921.

JAMES SHIRLEY SWEENEY. Gainesville, Texas. 35 *Talbot Rd.*

A. B. and A. M., Texas Christian University, 1917 and 1918; M. D., Vanderbilt University, 1921.

CHARLOTTE CONDICT VAN WINKLE. Rutherford, N. J. 733 *N. Br'dway.*
A. B., Smith College, 1914; M. D., Johns Hopkins University, 1921.
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CANDIDATES FOR THE DEGREE OF DOCTOR OF SCIENCE IN HYGIENE

DONALD LESLIE AUGUSTINE. Kasson, Minn. *Y. M. C. A.*
S. B., Macalester College, 1918. *Helminthology.*

ANNA MEDORA BAETJER. Baltimore. 500 *Roland Av.*
A. B., Wellesley College, 1920. *Physiology.*

CLENNIE ELSIE BAILEY. Terre Haute, Ind. 1608 *Linden Av.*
A. B., Indiana State Normal School, 1918. *Immunology.*

ELERY RONALD BECKER. Rocky Ford, Colo. 813 *N. Howard St.*
A. B., University of Colorado, 1921. *Protozoology.*

SHULAMITE BEN-HAREL. Palestine. 1919 *Eutaw Place.*
A. B., Constantinople College, 1918. *Protozoology.*

ELEANOR ALBERT BLISS. Baltimore. 1026 *N. Calvert St.*
A. B., Bryn Mawr College, 1921. *Bacteriology.*

MARY JEANNETTE CHAPMAN. Brownsville, Tenn. 1608 *Linden Av.*
A. B., Randolph Macon Woman's College, 1920. *Immunology.*

LEMMIE ROSCOE CLEVELAND. Union, Miss. 220 *W. Monument St.*
S. B., University of Mississippi, 1917. *Protozoology.* [Fellow, 1921-22.]

HOBART WILLIAM CROMWELL. Center Point, Ind. 1922 *Madison Av.*
A. B., Indiana State Normal School., 1917. *Immunology.* [Fellow, 1921-22.]

WILLIAM THURBER FALES. Malden, Mass. 2936 *Clifton Av.*
S. B., Massachusetts Institute of Technology, 1917; C. P. H., Harvard University and Massachusetts Institute of Technology, School of Public Health, 1920; Instructor in Epidemiology, Johns Hopkins University. *Epidemiology.*

BIENVENIDO MARIA GONZALES. Apalit, P. I. 2136 *Oak St.*
B. Agr., University of the Philippines, 1913; S. M., University of Wisconsin, 1915. *Statistics.*

MARY GOVER. Baltimore. 307 *E. 30th St.*
A. B., Goucher College, 1913; A. M., Johns Hopkins University, 1917; Assistant in Biometry and Vital Statistics, Johns Hopkins University, *Statistics.*

WILLIAM ALBERT HOFFMAN. New York City. 2118 *Penrose Av.*
S. B., Cornell University, 1917. *Entomology.*

RACHEL EMILIE HOFFSTADT. Madison, Ind. 419 *E. 22nd St.*
S. B., Hanover College, 1908; S. M., University of Chicago, 1912, and Ph. D., 1915. *Bacteriology.*

FRANCIS OLIVER HOLMES. Cambridge, Mass. 230 *N. Kenwood Av.*
S. B., Massachusetts Institute of Technology, 1921. *Protozoology.*

FRANK LOUIS KLEEBERGER. Berkeley, Cal. *Y. M. C. A.*
S. B. and A. M., University of California, 1908 and 1915. *Physiology.* [Fellow, 1921 22.]

ETHEL MAY KINNEY. Larned, Kans. 914 *E. Madison St.*
A. B. and A. M., University of Kansas, 1918 and 1920; Assistant in Bio-Chemistry, Johns Hopkins University. *Bio Chemistry.*

BERTHA LANGWILL. Rockford, Ill. 1910 *Mt. Royal Av.*
S. B., Rockford College, 1916; S. M., University of Illinois, 1918. *Bacteriology.*

VICTOR EMANUEL LEVINE. Omaha, Neb. 312 *W. Monument St.*
A. B., College of the City of New York, 1909; A. M. and Ph. D., Columbia University, 1911 and 1914. *Bio Chemistry.*

HENRIETTA LISK. Fort McCoy, Fla. 1610 *Bolton St.*
S. B. and S. M., Florida State College, 1907 and 1909; A. M., Columbia University, 1917. *Bacteriology.* [Fellow, 1921-22.]

CLAIRE MCDOWELL. Baltimore. 1816 *W. Baltimore St.*
A. B., Goucher College, 1917. *Physiology.*

JOHN RICE MINER. Baltimore. *Towson.*
A. B., University of Michigan, 1913; Associate in Biometry and Vital Statistics, Johns Hopkins University. *Statistics.*

EDITH EVELYN NICHOLLS. Williamsburg, Mass. 3409 *Guilford Terr.*
A. B., Smith College, 1919. *Physiology.*

SAMUEL PITLIK. Worcester, Mass. 14 *N. Chester St.*
A. B., Clark College, 1917; A. M., University of Chicago, 1918. *Statistics.* [Fellow, 1921-22.]

HORACE MANN POWELL. Terre Haute, Ind. 4002 *Ridgewood Av.*
A. B., Indiana State Normal School, 1914. *Immunology.*

IDA WILLIAMS PRITCHETT. Baltimore. *Homewood Apts.*
A. B., Bryn Mawr College, 1914; Instructor in Immunology, Johns Hopkins University. *Immunology.*

BRUCE DODSON REYNOLDS. Long Island, Va. 813 *N. Howard St.*
S. B., University of Virginia, 1920. *Protozoology.* [Fellow, 1921 22.]

NORMAN RUDOLPH STOLL. Detroit, Mich. 3709 *Yosemite Av.*
S. B., Mount Union College, 1915; S. M., University of Michigan, 1918. *Helminthology.*

JOSEPH CHARLES SWENARTON. Washington, D. C. 1023 *W. Lanvale St.*
S. B., Pennsylvania State College, 1918. *Bacteriology.*

EDGAR SYDENSTRICKER. Washington, D. C. *Building C, 7th and B Sts.*
A. B., Fredericksburg College, 1900; A. M., Washington and Lee University, 1902. *Epidemiology.*

WEI SUN TAO. Weisih, China. *Y. W. C. A.*
S. B., Columbia University 1921. *Bacteriology.*

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE IN HYGIENE

MARGARET VON TORNEY FRANCE. Baltimore. 219 *W. Lanvale St.*
A. B., Bryn Mawr College, 1919.

MARTIN FROBISHER, JR. Englewood, N. J. 606 *N. Gilmor St.*
Student, Cornell University, 1916-17, 1919-20.

OLIVE CUSHING SMITH. Baltimore. 4 *East Biddle St.*
Student, Goucher College, 1914 16; Johns Hopkins University, 1919 20.

JEAN CHIRON SNYDER. Elyria. O. 3409 *Guilford Terr.*
A. B., Wellesley College, 1918.

(4)

CANDIDATES FOR THE CERTIFICATE IN PUBLIC HEALTH

ANDRÉS CASTRO. San Jose, Costa Rica. 1214 *Madison Av.*
M. D., University of Maryland, 1921.

FREDERICK WILLIAM DERSHIMER. Beaver Falls, Pa. 29 *E. 21st St.*
M. D., Jefferson Medical College, 1915.

WILLIAM LOCKWOOD THORNTON GOODISON. Larimore, N. Dak.
M. D., Jefferson Medical College, 1909. 1012 *Madison Av.*

JOSE GUERRERO. Leon, Nicaragua. 3327 *Alto Av.*
B. Sc. e Lett., National Institute of Occidente, 1912; M. D., University of Michigan, 1919.

WILLIAM WARREN KNIPMEYER.
A. B., University of Missouri, 1917; M. D., Washington University, 1919.

GEORGES LAMBRICHTS. Liége, Belgium. 1020 *N. Calvert St.*
S. B., Royal Athénée of Liége, 1910; M. D., University of Liége, 1921.

THOMAS JOHN LE BLANC. Cheboygan, Mich. 312 *W. Monument St.*
A. B. and M. S. P. H., University of Michigan, 1917 and 1920.

JARKA MASEK. Nova Paka, Bohemia. 1623 *St. Paul St.*
M. D., University of Prague, 1913.

OTTOKAR SLANINA. Brno, Moravia. *St. Paul and 25th Sts.*
M. D., University of Vienna, 1909.

GIU-CHING TING. Chekiang, China. 1113 *Madison Av.*
M. D., Chiba Medical College, 1914.

CZESLAW WROCZYNSKI. Biala, Poland. *St. Paul and 25th Sts.*
M. D., University of Saratow, 1915.

(11)

SPECIAL STUDENTS

GERMAN ABADIA. Bogota, Colombia. 1602 *N. Payson St.*
B. Ph. e Lett., Colegio Nacional de S. Bartolome, 1910; M. D., Universidad Nacional de Colombia, Bogota, 1918. *Bacteriology; Statistics; Immunology; Public Health Administration.*

JOSEPH ALBERT BAUDOUIN. Montreal, Canada. 2712 *N. Charles St.*
M. D. and D. P. H., Laval University 1900 and 1912. *Physiological Hygiene; Statistics; Intensive Course.*

JULIA ERNESTINE BECKER. Baltimore. 4015 *Brookline Av.*
S. B., Cornell University, 1918; Assistant in Bio-Chemistry, Johns Hopkins University. *Anatomy; Chemical Hygiene.*

JOSEPH CELEREK. Lubin, Poland. *St. Paul and 25th Sts.*
M. D., University of Krakow, Poland, 1913; Chief, State Epidemiological Institute, Ministry of Public Health, Lublin. *Bacteriology; Immunology.*

EDWIN CHARLES CORT. Chiengmai, Siam. 2340 *Madison Av.*
A. M., Washington and Jefferson College, 1901; M. D., Johns Hopkins University, 1907. *Protozoology.*

CHARLES FRANKLIN ELVERS. Baltimore. *Arlington.*
Student, Maryland State College, 1915-1916. *Anatomy; Histology.*

NORRIS MCLLOYD ERB. Baltimore. 2014 *N. Calvert St.*
Immunology.

ARMINIO FRAGA. Rio Janeiro, Brazil. 915 *N. Charles St.*
M. D., Bahia Medical School, 1917. *Epidemiology; Public Health Administration; Venereal Diseases.*

GABRIEL GARZON COSSA. Vera Cruz, Mexico. 2238 *Brookfield Av.*
M. D., National University of Mexico, 1913. *Protozoology; Bacteriology.*

RATTANSHA MERWANJI HAKIM. Bombay, India. 1100 *Madison Av.*
M. D., University of Maryland, 1920. *Epidemiology; Helminthology.*

VILEM HONS. Padoli by Prague, Czechoslovakia. 2332 *Guilford Av.*
M. D., University of Prague, 1915. *Chemical Hygiene.*

BIRKHEAD MACGOWAN. Baltimore. *Sydenham Hospital.*
S. B., University of Tennessee, 1915; M. D., Johns Hopkins University, 1919. *Public Health Administration.*

SHINNOSUKE MORI. Darien, S. Manchuria. 5212 *Harford Rd.*
M. D., Imperial University of Kyoto, Japan, 1911. *Chemical Hygiene.*

LOUISE ELEANOR OLD. Los Angeles, Cal. 515 *N. Wolfe St.*
Bacteriology; Immunology.

JOSEPHINE PASSMORE. Milwaukee, Wis. 18 *Midvale Rd.*
A. B., University of Wisconsin, 1921. *Anatomy; Histology.*

FAUSTO ROBLETO. Granada, Nicaragua. 746 *Reservoir St.*
M. D., Universidad Angelopolitana, Mexico, 1915. *Bacteriology; Epidemiology; Helminthology; Protozoology.*

JOHN LEWIS ROSEDALE. London, England. 750 *Reservoir St.*
A. B. and A. M., Oxford University, 1908 and 1912; Ph. D., University of Bonn, 1914. *Chemical Hygiene.*

KAREL URBANEK. Prague, Czechoslovakia. 1210 *John St.*
M. D., Charles University of Prague, 1911; Official, Ministry of Health, Prague, *Bacteriology; Immunology.*

MILDRED WINCHESTER. Holliston, Mass. 207 *W. 27th St.*
A. B., Wellesley College, 1919. *Immunology.*

STUDENTS REGISTERED IN THE GRADUATE SCHOOL TAKING SPECIAL COURSES

ARTIE FLEET BARRIER, S. B.	*Bacteriology.*
MARY JANE HILLE, S. B.	*Anatomy; Histology; Physiology.*
CHARLES HUNTINGTON HOWARD, A. B.	*Bacteriology.*
ARCHIBALD STUART HUNTER, S. B.	*Bacteriology.*
MARGUERITE LIVINGSTON, S. B.	*Histology.*
EDWIN HERBERT SHAW, JR., A. B.	*Bacteriology.*
EDITH TOTTEN, A. M.	*Anatomy; Histology; Physiology.*
TOMI WADA, A. M.	*Anatomy.*
GING-HSI WANG, A. B.	*Anatomy; Histology.*
TSIN SHENG YANG, A. B.	*Anatomy.*

(10)

STUDENTS REGISTERED IN THE COLLEGE COURSES FOR TEACHERS TAKING SPECIAL COURSE IN HYGIENE

IRENE E. BULLEN	ANNE CHRISTINE SHAMBURGER.
TERESA FOUNTAIN.	L. BLANCHE SMITH.
PEARL HEAPS.	MINNIE C. SMITH.
ROSINA C. JOSEPH.	CLARA MAY SPIELMAN.
HILDA A. L. KRATSCH.	HONORA TALBOTT.
E. GRACE RICE.	LENORE WILD.
CATHERINE D. SCHNEPFE.	

(13)

STUDENTS REGISTERED FOR THE INTENSIVE COURSE FOR PUBLIC HEALTH OFFICERS

JOHN LYELL CLARKE. Richmond, Va.
Sanitary Engineer, Mississippi State Board of Health.

JUAN SEPULVEDA FERNANDO. Bulacan, P. I.
M. D. University of the Philippines, 1914; C. P. H., Albany Medical College and New York State Department of Health, 1921; Medical Inspector, Philippine Health Service.

LUIS GAITAN. Guatemala, C. A.
M. D., Guatemala University, 1900; Member of Commission against Yellow Fever; Inspector of Hygiene in the South Zone of Guatemala.

JAMES HENRY HILL. Talladega, Ala.
M. D., Birmingham Medical College, 1909; County Health Officer for Talladega County; Field Agent, U. S. P. H. S.

FRED MORREL HOUGHTALING. Huron, O.
M. D., Baltimore Medical College, 1896; Health Commissioner for Erie County, Ohio.

ARTHUR ALBERTUS KIRK. Tuscaloosa, Ala.
M. D., University of Alabama, 1897; County Health Officer for Tuscaloosa County.

GILBERT EVERITT ROBBINS. Chillicothe, O.
M. D., Kentucky School of Medicine, 1889; Health Commissioner for Chillicothe and Ross Counties, Ohio.

CYRUS MARTIN SHIPP. Jackson, Miss.
M. D., Tulane University, 1915; Director of Malarial Control Work of Mississippi.

ALBERT BENJAMIN TONKIN. Cheyenne, Wyo.
M. D., University of Colorado, 1904; State Health Commissioner of Wyoming.

(9)

STUDENTS REGISTERED FOR THE INTENSIVE COURSE IN MEDICAL ZOOLOGY

ARTHUR SIDNEY BEDELL. Brooklyn, N. Y.
A. B., Dartmouth College, 1909; S. B., Robert College, 1921.

MARK FREDERICK BOYD. St. Paul, Minn.
M. D. and M. S., Iowa State University, 1911 and 1913; C. P. H., Harvard University and Massachusetts Institute of Technology, 1914.

CHARLES RAYMOND COX. Baltimore, Md.
S. B. in Hygiene, Johns Hopkins University, 1921.

EDWARD MARSHALL CRAIG, JR. Hickory, N. C.
A. B., Washington and Lee University, 1914; A. B., Yale University, 1916; S. B., Massachusetts Institute of Technology, 1921.

JOHN FRANKLIN DOCHERTY. Seaforth, Ontario.
A. B. and M. B., University of Toronto, 1916 and 1920.

WILLIAM HENRY DUMONT. Amsterdam, N. Y.
A. B. and S. M., Rutgers College, 1920-1921.

HENRY ADAMS JOHNSON. Newburyport, Mass.
S. B., Massachusetts Institute of Technology, 1912.

EDWARD MUNROE KNIGHTS. Riverside, R. I.
Ph. B., Brown University, 1917.

LOUVA GERHARD LENERT. Austin, Texas.
S. B., Agricultural and Mechanical College of Texas, 1906.

ESTUS HUBERT MAGOON. Atwood, Ill.
S. B., Purdue University, 1913; S. M., Massachusetts Institute of Technology, 1914.

JETOME JOHN MILDAZIS. Pottsville, Pa.
C. E., Lehigh University, 1920.

NELSON HAMILTON RECTOR. Baltimore, Md.
B. E., Johns Hopkins University, 1921.

HURBIE ANDREWS TAYLOR. Kinston, N. C.
M. D., University of Alabama, 1914.

WALTER VON DOHLEN TIEDEMAN. Schenectady, N. Y.
B. E. and M. C. E., Union University, 1913 and 1914.

WILLIAM WESTON. Columbia, S. C.
S. B., University of South Carolina, 1921.

DAVID BRUCE WILSON. Toronto, Ontario.
A. B. and M. B., University of Toronto, 1916 and 1920.

IV.. COLLEGE OF ARTS AND SCIENCES

The Roman numeral indicates year of residence

COLLEGE GRADUATES PREPARING FOR MEDICINE

NICHOLAS FLOYD ADAMS. The Plains, Va. 4332 *N. Charles St.*
B. S., University of Virginia, 1921. I. *German.* [*Part-time*]

MARION PERCIVAL FIROR. Burkittsville. 1323 *Edmondson Av.*
A. B., Hood College, 1915. I. *Physics.* [*Part time*]

ROBERT KENNETH GUSTAFSON. Baltimore. 115 *W. Hamburg St.*
Ph. B., Yale University, 1915. I. *Biology, Chemistry, and Physics.*

FRED. KAIRYS. Baltimore. 3406 *Auchentoroly Ter.*
A. B., Johns Hopkins University, 1921. I. *Biology.* [*Part time*]

ALPHONSE JOSEPH KNAPP. Columbia, Pa. 904 *N. Charles St.*
A. B., Mt. St. Mary's College, 1917. I. *Biology, Chemistry, and French.*

CHARLES EDWARD MONTEVERDE. Montevideo, Uruguay. *Y. M. C. A.*
A. B., University of Montevideo, 1919. I. *Chemistry.* [*Part time*]

FRIEDA RUTH PLITT. Baltimore. 2523 *Pennsylvania Av.*
A. B., Randolph Macon Woman's College, 1921. I. *Biology, Chemistry, and Physics.* [*Part-time*]

MARGARET ELIZABETH RIEGEL. New Cumberland,Pa. 14 *E. Franklin.*
B..S., Simmons College, 1917. I. *Chemistry.*

RANDOLPH TUCKER SMITH. Camden, Ark. 2738 *St. Paul St.*
A. B., Washington and Lee University, 1920. I. *Chemistry, German, and Physics.*

MARY BRISTOW WILLEFORD. Wharton, Texas. 3042 *Guilford Av.*
A. B., University of Texas, 1920. I. *Chemistry, French, German, and Physics.*

(10)

CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

Seniors

MIGUEL B. AFABLE. Manila, P. I. 2652 *Maryland Av.*
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MARIANO BADILLO. Mexico City, Mex. *Y. M. C. A.*
Normal School of Mexico. V. Dr. GRUENBAUM, *Adviser.*

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JACOB HARRY BARKER, JR. Oakland, Cal. *Annapolis.*
University of Cailfornia. I. Professor FRENCH, *Adviser.*

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University of Washington. I. Professor DUNLAP, *Adviser.*

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MILTON FELDMAN. Woodbine, N. J. 1914 *E. Baltimore St.*
Woodbine High School. III. Professor ANDREWS, *Adviser.*

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University of Missouri. II. Professor GILPIN, *Adviser.*

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Washington County High School. III. Professor GILPIN, *Adviser.*

ALBERT GEORGE LANGELUTTIG, JR. Baltimore. 1926 *Linden Av.*
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BENJAMIN SZOLD LEVIN. Baltimore. 2104 *Chelsea Ter.*
Park School. III. Dr. WEYFORTH, *Adviser.*

ABRAHAM JUDA LEVY. Baltimore. 1904 *E. Baltimore St.*
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Easton High School. IV. Professor GREENE, *Adviser.*

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College of the City of New York. I. Professor ANDREWS, *Adviser.*

HERBERT ELBERT REIFSCHNEIDER. Baltimore. 340 *S. East Av.*
Towson High School. IV. Professor GILPIN, *Adviser.*

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MAX ROSEN. Baltimore. 542 *E. Lafayette Av.*
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MAX HARRY ROSENFELD. Baltimore. 1914 *E. Baltimore St.*
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(16)

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Freshmen

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Friends School. I. M.E. Mr. DOUGHTIE, *Adviser.*

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Special

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(6)

STUDENT REGISTERED IN 1920-21 TOO LATE FOR INCLUSION IN THE REGISTER FOR THAT YEAR

Sophomore

WILLIAM CARROLL ARMACOST. Baltimore Co. *Upperco.*
Reisterstown High School. II. Chem. Professor GILPIN, *Adviser.*

VI. ATTENDANTS ON COLLEGE COURSES FOR TEACHERS

(G) = Graduate; (A) = Academic; A = a C. C. for T. alternate.

The new courses authorized at the beginning of the session and therefore not announced in the June (1921) *Circular* are listed by subject and number continuously as indicated below.

EDUCATION

Educaiion XV. Materials and Method of Teaching General Science in Junior High Schools. Dr. Leslie H. Ingham. (City College).—*Education XVI.* Materials and Methods of Teaching Civics in Junior High Schools. Mr. Philip Dougherty. (Polytechnic Institute).—*Education XVII.* The Organization and Management of Elementary Schools. Asst. Supt. Carlton E. Douglass. (Western High School.)—*Education XVIII.* Methods and Plans for the Intermediate Grades of the Elementary School. Associate Professor Bamberger. (Western High School).—*Education XIX.* The Principles of Kindergarten Primary Education. Miss Frances M. Berry. (Western High School.)—*Education Vb VI.* (See Circular.) Dr. Fowler D. Brooks. (Public School No. 76.)

HISTORY

History III. The History of Greece and Rome. Associate Professor Magoffin.

PSYCHOLOGY

Psychology IV. Laboratory Course in Psychology. Mr. Schachne Isaacs.

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Matriculates

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* Deceased, February 11, 1922.

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MARY AGNES FOLEY. Baltimore. 1811 *Fulton Av.*
French IV.

MARGARET LUCILLE FORDEN. Baltimore. 5309 *Melvin Av.*
English II.

EDWIN FORREST. Baltimore. *Gwynndale Av.*
Education XVII.

JULIA VIRGINIA FORRESTER. Baltimore. 2019 *W. North Av.*
Education XIX.

TERESSA FOUNTAIN. Baltimore. 826 *N. Carey St.*
Hygiene.

ETHEL AUGUSTA W. FRANK. Baltimore. 5 *E. White Av.*
French I.

MAY FRANKE. Baltimore. 2117 *Brookfield Av.*
History I B.

EDWARD EARLE FRANKLIN. Baltimore. *Central Y. M. C. A.*
Graduate School. *Education II, V, VIII, and XI.*

MARY LOUISE FREBURGER. Baltimore. 539 *N. Carrollton Av.*
Education IX.

ESTHER FREILACHOFF. Baltimore. 27 *N. Collington Av.*
Education XIX.

RUTH FRENCH. Baltimore. 416 *Cedarcroft Rd.*
Education I.

ELEANOR FRUSH. Baltimore. 4007 *Springdale Av.*
Education XVIII.

NANCY RANDOLPH FULTON. Baltimore. 2211 *St. Paul St.*
Education XVII.

SOPHIA FUMAN. Baltimore. 2121 *W. North Av.*
English V.

CLARA LOUISE GABLE. Baltimore. 918 *E. Biddle St.*
Education IX.

MARGUERITA GAINS. Baltimore. 3010 *N. Calvert St.*
French I.

MARY TERESA GALLAGHER. Baltimore. 2903 *Hudson St.*
Art II; French VII; German II A.

HELEN ELIOT GANS. Baltimore. 2254 *Linden Av.*
Education XVIII.

DOROTHY BROOKE GARDNER. Baltimore. 705 *Newington Av.*
Education XII.

WILSON CARVILLE GARDNER. Baltimore. 6 *W. Preston St.*
Johns Hopkins University. *English I.*

ROSALIA GARRETT. Baltimore. 23 *S. Chester St.*
Education XVIII.

MARTHA GARTHE. Baltimore. 702 *N. Carey St.*
Education XVII.

LILLIAN ESTELLE GATCH. Baltimore. 1218 *W. Fayette St.*
Education XVII.

HELEN B. GATCHELL. Baltimore. 353 *Rosebank Av.*
English II.

ELIZABETH GEBHARDT. Baltimore. 3418 *Piedmont Av.*
Education V.

LOUISE CATHERINE GEIGER. Baltimore. 7 *Rueckert Av.*
Education XIX.

ELSA JOHANNA GERBODE. Baltimore. 1720 *E. 25th St.*
Education IX.

ELIZABETH JOSEPHINE GERHARDT. Baltimore. 514 *N. Arlington Av.*
Spanish I.

EMMA LOUISE GERHARDT. Baltimore. 514 *N. Arlington Av.*
Education XVIII.

NETTIE REBECCA GERMAN. Baltimore. 2408 *Erdman Av.*
Education XIX.

EVA ELIZABETH GERSTMYER. Baltimore. 1640 *N. Broadway.*
Education XI; English I.

ANGELA DORSEY GETTY. Grantsville.
Education Vb; English I, II, III, and IV.

ACHSAH ELIZABETH GIBSON. Baltimore. 3631 *Elm Av.*
Education XVI.

HELEN LOUISE GIESE. Baltimore. 819 *N. Patterson Park Av.*
Psychology II.

MARGARET ELIZABETH GILLASPEY. Baltimore. 610 *Chestnut Hill Av.*
Education III.

HARRIET GILLILAU. Baltimore. *Greenway Apts.*
Art I.

MARIE GILES. Baltimore. 2943 *Belmont Av.*
English III.

CAROLYN VIRGINIA GLANDING. Baltimore. 1641 *Ellamont Av.*
Mathematics I.

MINNIE MARGARET GLANTZ. Baltimore. 2002 *Kennedy Av.*
Education XI.

GLADYS MARGARET GLEITSMAN. Baltimore. 2306 *E. Baltimore St.*
Psychology II.

MARY ELIZABETH GLEN. Baltimore. 1022 *N. Broadway.*
Education XVIII.

LELIA FARINHOLT GLOCKER (Mrs.). Baltimore. 2909 *W. Presstman St.*
Education IX.

FRANCIS W. GLUCK. Baltimore. 519 *Rossiter Av.*
Johns Hopkins University. *German I.*

ANNIE JOSEPHINE GODFREY. Baltimore. *Homewood Apts.*
Education XIX.

ISABEL MOSELEY GODWIN. Baltimore. 2611 *Maryland Av.*
B. A., Sweet Briar College, 1921. *Art I; German I.*

MARIE KATHERINE GOHLINGHORST. Baltimore. 224 *N. Monroe St.*
French I.

JUSTINUS GOLD. Baltimore. 1628 *Eutaw Pl.*
French II; Mathematics II.

MARY B. GOLDBERG. Baltimore. 2235 *Eutaw Pl.*
Education XVIII.

HELEN GOLDEN. Baltimore. *Marlborough Apts.*
French III and VII.

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ARCHIBALD GOLDER. Baltimore. 3508 *Fairview Av.*
History III.

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English III.

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Johns Hopkins University. *Philosophy I.*

HAZEL FRANCES GOSLINE. Baltimore. 615 *E. 34th St.*
Education III and XVIII.

EPHRAIM G. GOVER. Baltimore. 307 *E. 30th St.*
Education XVII.

NELLIE ESTELLE GRADY. Baltimore. *Homewood Apts.*
English I.

KATE THOMAS GRAFFLIN. Baltimore. 2211 *Roslyn Av.*
Education XVIII.

MARY E. GRAHAM. Baltimore. 1111 *Harlem Av.*
Education XVIII.

LEON JACK GREENBAUM. Baltimore. 2811 *Rockrose Av.*
English II.

MINA GREENBAUM. Baltimore. 2811 *Rockrose Av.*
English I.

HIRAM C. GRIFFIN. Baltimore. 1429 *John St.*
LL. B., University of Maryland, 1917. *English I.*

JULIA CONTEE GRIFFITH. Baltimore. 826 *N. Carey St.*
Education XIX.

MYRTLE SEDONA GROSHANS. Baltimore. 31 *Harford Rd.*
Spanish I.

MAMIE E. GROTE. Baltimore. 1734 *E. Lafayette Av.*
Education XIX.

GRACE MARIE GUARINO. Baltimore. 1724 *E. Madison St.*
Education IX.

HELEN H. GUDE. Baltimore. 1211 *Madison Av.*
Education XVIII.

HELEN LOUISE GUIDER. Baltimore. *Mt. Washington.*
Education IV.

DOROTHY GULLEY. Baltimore. *Cross Country Blvd.*
Education I.

FANNIE FRANCESCUS GUYTON. Baltimore. *York Rd. and 42nd St.*
Education XVII.

HARRIET MADELON HACKETT. Baltimore. 11 *Carroll Rd.*
Art I.

MARIE AUGUSTA HAFERKORN. Baltimore. 3244 *Eastern Av*
Education XIX.

ANNA CATHERINE HAHN. Baltimore. 112 *Augusta Av.*
Education XV.

CLEMENT HAILE. Baltimore. 2519 *Maryland Av.*
German I.

J. LUTHER HAIN. Baltimore. 741 *W. North Av.*
Johns Hopkins University. *Education II and VIII.*

MARY SUSIE HALL. Baltimore. 3120 *Abell Av.*
English II.

CATHERINE LOUISE HAMMOND. Baltimore. 417 *Laurens St.*
Education I.

LAURA GRACE HAMPSON. Baltimore. 731 *Newington Av.*
French VII.

BERNADINE HARRIET HANLON. Baltimore. 1127 *Valley St.*
English I.

CHARLOTTE J. HANNA. Baltimore. 1402 *E. Biddle St.*
Education XIX.

WILLIAM SESSONS HANNAH. Baltimore. 221 *E. Preston St.*
Medical School. *German II A.*

MYRA HARBAUGH. Baltimore. 401 *Suffolk St.*
Education XIX.

LIDA HALL HARDING. Baltimore. 1828 *W. Baltimore St.*
Education Vb-VI.

EDITH ELIZABETH HARMAN. Baltimore Co. *Hanover.*
Education XIX.

ANNIE FRANCES HARRIGAN. Baltimore. 1415 *N. Caroline St.*
Education XIX.

CLARA VIRGINIA HARTFIELD. Baltimore. 13 *E. Read St.*
Graduate School. *French I.*

STANLEY EDWARD HARTMAN. Baltimore. *Park Heights Av.*
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BESSIE MARIE HASKELL. Baltimore. 1708 *Hollins St.*
Education XIX; Oriental Seminary IV.

MARY ELIZABETH HASSON. Baltimore. 1425 *E. Biddle St.*
Education IX.

ANNA VIRGINIA HATTER. Baltimore. 616 *Lennox St.*
Education XVIII.

MILDRED LARKIN HAWKINS. Baltimore. 2625 St. Paul St.
A. B., Goucher College, 1921. *Education IX.*

NAOMI HAWKINS. Baltimore. 418 *Norman Av.*
Education XVIII.

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A. B., Mt. St. Agnes College. 1896. *French IV.*

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Graduate School. *Education V.*

PEARL HEAPS. Baltimore. 1505 *Bolton St.*
Hygiene.

BESSIE VIRGINIA HEARN. Baltimore. 3027 *Arunah Av.*
Education XVIII.

ROSE HEEDE. Baltimore. 2919 *E. Baltimore St.*
Education Vb-VI.

VELMA MAY HEIM. Baltimore. 6101 *Ready Av.*
Education III.

CHRISTIAN PAUL HEINLEIN. Baltimore. 4415 *Pimlico Av.*
Johns Hopkins University. *Philosophy II.*

CLARA ANNA HEISE. Baltimore. *Ten Hills.*
Education XIX.

MILDRED GASKINS HELLEN. Baltimore. 3405 *Gwynn Oak Av.*
Education I.

AGNES HERBERT. Baltimore. 806 *E. North Av.*
English IV; Mathematics II A.

HATTIE CAROLYN HERBERT. Baltimore. 1911 *Gough St.*
English III.

MARTHA ROSELLA HERMAN. Baltimore. 3704 *Liberty Heights Av.*
History II A.

LILLIAN MAY HERRERA. Baltimore. 1222 *W. Lafayette Av.*
Education XVIII.

MARGARET GRIER HERSH. York, Pa. *South George St.*
Education III; Journalism.

CARRIE WATKINS HEWITT. Baltimore. 2011 *Linden Av.*
Education XIX.

MARY CORINNE HIBBERD. Baltimore. 744 *Reservoir St.*
Education IX.

MARTIN M. HIHN. Baltimore. 1303 *N. Longwood St.*
Education IX and XVII.

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Education XVIII.

MARGIE LILLIAN HILL. Baltimore. 2203 *Barclay St.*
Education XIX.

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B. S., Johns Hopkins University, 1921. *German I.*

NELLIE MONTAGUE HINDS. Baltimore. *Fort McHenry.*
Journalism.

DAISY BELLE HIPSLEY. Catonsville. 137 *Newburg Av.*
English I.

MARGARET LAURENCE HIRSCHMAN. Baltimore. 1939 *Harlem Av.*
Education XVIII.

BOSLEY HISS. Baltimore. 1427 *Linden Av.*
Johns Hopkins University. *Art I.*

MOLLIE RAYME HOBBS. Baltimore. 823 *N. Fremont Av.*
Education XVIII.

MARY RICHARDSON HOBLES. Baltimore. 2407 *Ellamont St.*
English I; Journalism.

MARY NETTIE HOBLITZELL. Baltimore. 1519 *Park Av.*
Education XVI.

NORMAND LOUIS HOERR. Baltimore. 404 *E. 31st St.*
Johns Hopkins University. *Education III.*

MARIE HOFMANN. Baltimore. 1600½ *W. North Av.*
Education XIX.

ELMER RHODES HOKE. Baltimore. 1220 *W. 36th St.*
Graduate School. *Education V.*

MARY ELIZABETH HOLLOWAY. Baltimore. 1323 *N. Broadway.*
Mathematics I.

LAVENIA ANDERSON HOLMES. Baltimore. 3013 *Presbury St.*
Education IX.

MARY ELIZABETH HOLMES. Baltimore. 521 *N. Carey St.*
Education XVII.

NELLIE S. HOOPER. Baltimore. 1342 *N. Eden St.*
Education XIX.

L. MABEL HOOVER. Baltimore. 1771 *Homestead St.*
Education XVIII.

NICHOLAS HUTCHINS HOPE. Baltimore Co. *Raspeburg.*
Education XVII.

MARY ELLEN HOPKINS (Mrs.) Baltimore Co. *Towson.*
English I; French II.

WILLIAM EDGAR HOPKINS. Baltimore. 2517 *N. Calvert St*
English I.

MARTHA FLORENCE HORNER. Baltimore. 1703 *N. Calvert St.*
Education IX.

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Education IX; Mathematics II A.

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Psychology II.

GRACE HOWARD. Baltimore. 820 *N. Fulton Av.*
Education XVIII.

EDWARD GREENE HUEY. Baltimore Co. *Ruxton.*
Johns Hopkins University. *French VII.*

MARGARET E. H. HUFNAGEL. Baltimore. 3419 *Park Heights Av.*
Education XVIII.

BELLA S. HUNTER. *Education XIII.*	Baltimore.	934 *E. Preston St.*
JAMES THERON HUNTER. Medical School. *German II A.*	Baltimore.	104 *Jackson Pl.*
ETHEL AUGUSTA HURLEY. *English III.*	Baltimore.	*Hampton Court Apts.*
MARY WINIFRED HYSAN. *Education XIX.*	Baltimore.	1415 *E. Biddle St.*
PAUL LANE IVES. Johns Hopkins University. *English II; Journalism.*	Baltimore.	321 *Augusta Av.*
BIRDIE MAY JACKSON. *Psychology II.*	Baltimore.	929 *N. Fulton Av.*
CATHERINE ELIZABETH JACKSON. *English I.*	Baltimore.	717 *Roland Av.*
ANNIE M. JAMES. *Education XVIII.*	Baltimore.	1631 *E. Lafayette Av.*
MARION JANNEY. *Education V.*	Baltimore.	756 *Reservoir St.*
ALICE JENDREK. *Education I.*	Baltimore.	1608 *Tenth St.*
EDITH JOESTING. *French III.*	Baltimore.	518 *Chestnut Hill Av.*
BLANCHE M. JOHNSON. *Education XVIII.*	Baltimore.	4315 *Reisterstown Rd.*
CHARLES REVERDY JOHNSON. *Journalism.*	Baltimore.	2313 *N. Calvert St.*
ELIZABETH VALENTINE JOHNSON. *French I.*	Baltimore.	1005 *Roland Av.*
HELEN MAY JOHNSON. *French IV; Psychology II.*	Baltimore.	317 *E. North Av.*
ANNA JANE JOHNSTON. *Education XVIII.*	Baltimore.	2001 *Guilford Av.*
ISABELLE MELDRUM JOHNSTONE. *Education V; French IV; Psychology II.*	Baltimore.	1517 *Mt. Royal Av.*
A. LOUISE JONES. *Education III.*	Baltimore.	3610 *Fairview Av.*
CHARLOTTE ABBOTT JONES. *Education XV.*	Baltimore.	2814 *Norfolk Av.*
MINOR C. K. JONES. Johns Hopkins University. *Journalism.*	Baltimore.	*Mt. Washington.*
VIRGINIA BOYD JONES. *English V.*	Baltimore.	2105 *Elsinor Av.*

ROSINA COBLENS JOSEPH. Baltimore. 1513 *Eutaw Pl.*
Education XV; Hygiene.

KATHERINE JOSEPHINE JOYCE. Baltimore. 114 *W. Franklin St.*
English I.

DANIEL WEBSTER JUSTICE. Baltimore. 1226 *Belmont Av.*
Johns Hopkins University. *Oriental Seminary I and II; Philosophy I.*

TILLIE KAHN. Baltimore. *Marlborough Apts.*
Education XVII.

ELEANOR MARGUERITE KAIRIS. Baltimore. 873 *Hollins St.*
Art I.

DOROTHY REGINA KALBEN. Baltimore. 708 *Winston Av.*
French III.

ADELIA GERTRUDE KALTENBACH. Baltimore. 236 *E. Montgomery St.*
Education XVIII.

SANFORD MILTON KANADY. Baltimore Co. *Catonsville.*
Education I and VIII.

BEATRICE KATZ. Baltimore. 2400 *Linden Av.*
English II.

ARTHUR D. KAUFMAN. Baltimore. 1109 *Light St.*
English V.

ANNA CECELIA KAVANAUGH. Howard Co. *Ellicott City.*
Education XIX.

L. MARGUERITE KEECH. Baltimore. 2425 *N. Calvert St.*
English I; Italian I.

LILLIAN MARIE KEEHNER. Baltimore. 817 *N. Mount St*
Education XVIII.

MORRIS KEEN. Baltimore. 108 *E. 32nd St.*
Johns Hopkins University. *Art II.*

BERNICE KEGAN. Baltimore. 218 *S. Patterson Park Av.*
Education XVIII.

MARIE ISABEL KELLY (Mrs.). Baltimore. 1415 *Linden Av.*
Education XVII.

ALICE BIRD KEMPTON. Baltimore. 924 *Newington Av.*
Education IX.

LULA MAGRUDER KENNARD. Baltimore. 604 *N. Carey St.*
Education XIX.

REGINA ALICE KENNEDY. Baltimore. 210 *E. Biddle St.*
Education XVIII.

ELIZABETH C. KENNY. Baltimore. 600 *E. Eager St.*
Education XVIII.

EDWARD A. KENT. Johns Hopkins University. *German I.*	Baltimore.	421 *Homeland Av.*
JESSE HALL KENT. Johns Hopkins University. *English I.*	Baltimore.	4002 *Brookline Av.*
BEATRICE GERTRUDE KENWORTHY. *Psychology II.*	Baltimore.	*Central Y. W. C. A.*
EDNA C. KENWORTHY. *English I.*	Baltimore.	*Central Y. W. C. A.*
MARTHA L. KERN. Graduate School. *French VII.*	Baltimore.	1208 *Madison Av.*
MARY CATHERINE KERR. *Education XVIII.*	Baltimore.	2130 *Bolton St.*
LUELLA E. KIEKHOFER. Graduate School. *Education X; Spanish II.*	Baltimore.	698 *Gladstone Av.*
JESSIE ELIZABETH KILMORE. *English I.*	Baltimore.	604 *E. Biddle St.*
FANNIE VIRGINIA KING. *Education XIX.*	Baltimore.	1638 *N. Caroline St.*
KATHERINE SARAH KING. *Education XIX.*	Baltimore.	1217 *W. Fayette St.*
MARGARET LE GORD KING. *Education XIX.*	Baltimore.	1217 *W. Fayette St.*
MARY E. W. KING. *Journalism.*	Baltimore.	3809 *Bonner Rd.*
MYRTLE HAX KINSEY. *English I.*	Baltimore.	1614 *N. Bond St.*
EDITH KLINESMITH. *Education X; French VIII.*	Baltimore.	*The Normandie Apts.*
ELIZABETH RUTH KLIPPEL. *Education XVIII.*	Baltimore.	1109 *Union Av.*
BENJAMIN HOWARD KLOTZ. Johns Hopkins University. *Art I; French VII.*	Baltimore.	2339 *Mondawmin Av.*
FRANCES MONTAGUE KNOWLTON. *Education XI.*	Baltimore.	2522 *St. Paul St.*
NATHAN ISAAC KOBIN. Johns Hopkins University. *Education I.*	Baltimore.	2037 *Eagle St.*
MENETTA ELIZABETH KOENIG. *Education IX.*	Baltimore.	1913 *W. Fayette St.*
TESSIE FREDERICKA KOESTLER. *Education VIII; English II.*	Baltimore.	1528 *Eutaw Pl.*

ROSA KOHLER. Baltimore. 3904 *Callaway Av.*
Journalism.

MADELINE MARGARET KOLB. Baltimore. 2642 *N. Calvert St.*
Education XIX.

GLADYS MARIE KOLDEWEY. Baltimore. 34 *S. Fulton Av.*
Education XVIII.

HELEN KOSAKOWSKI. Baltimore. 434 *S. Bond St.*
English II.

M. JOSEPHINE KRAGER. Baltimore. 639 *N. Carey St.*
Education XIX.

GRACE AMANDA KRAMER. Baltimore. 319 *E. 25th St.*
Graduate School. *Education V and VIII.*

MARY HELEN KRAMER. Baltimore. 319 *E. 25th St.*
Chemistry I; Education XV; Mathematics I.

LOUISE KRAUSE. Baltimore. 812 *N. Washington St.*
English II.

ELFRIEDE MARTHA KUEBLER. Baltimore. 809 *Cathedral St.*
Art I; Chemistry III; English V.

FRANKLIN A. KULLER. Baltimore. 1931 *Park Av.*
Graduate School. *Education VIII; History III.*

V. LOUISE LAFERTY. Baltimore. 1810 *N. Charles St.*
Education XVIII.

SARA VIOLA LAMM. Baltimore. 120 *S. Clinton St.*
French IV; History III.

FLORENCE RAYMOND LANE. Baltimore. 416 *E. 22nd St.*
Education V; French IV.

EDNA ELIZABETH LANG. Baltimore. 116 *Calverton Rd.*
Education XVIII.

F. OTHO LANG. Baltimore. 4207 *Connecticut Av.*
Education XVII.

MOLLIE LOUISE LANG. Baltimore. 1318 *Harlem Av.*
Education IX.

RUTH E. LANGRALL. Baltimore. 2709 *Garrison Av.*
Psychology II.

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Johns Hopkins University. *Philosophy II.*

TILLIE LAUBHEIMER. Baltimore. 1408 *Mt. Royal Av.*
Education XVIII.

MARY EDITH LAWSON. Baltimore. 815 *Powers St.*
French I.

BERTHA DARLING LAWTON. *Education XVIII.*	Baltimore.	215 *Warren Av.*
BEATRICE WEINBERG LAZARUS. *English II.*	Baltimore.	2400 *Linden Av.*
ISABEL LAZARUS. *Education XIII.*	Baltimore.	506 *Harwood Av.*
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IDA LEVINSON. *French III.*	Baltimore.	21 *N. Broadway.*
JANET SAYWARD LEVY. *Art I.*	Baltimore.	5 *W. 29th St.*
JOSEPH LEVY. Graduate School. *German II A.*	Baltimore.	323 *Whitridge Av.*
MABEL V. LEVY. *Education XIX.*	Baltimore.	1936 *Linden Av.*
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THOMAS WILLIAM LEYDON. *Psychology I.*	Baltimore.	4315 *Forest Park Av.*
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MILTON M. LILIEN. Johns Hopkins University. *Art II.*	Baltimore.	2305 *Madison Av.*
MARGUERITE ELMORE LINTHICUM. Graduate School. *Education V.*	Baltimore.	506 *E. 42nd St.*
AMY FRANCES LINTON. *Education III.*	Baltimore.	220 *Oakmont Av.*
SARA B. LIPSCOMB. *Education XIX.*	Baltimore.	1730 *Bolton St.*
VIOLA ESTELLE LITTLE. *English IV.*	Baltimore.	632 *N. Hilton St.*

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Education XI.

MARY NELLIE LOGAN. Baltimore. 2803 *Frederick Av.*
Education IX.

MARY GENEVIVE LOGUE. Baltimore. 4005 *Edmondson Av.*
Education XVII.

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Graduate School. *Education V and VIII.*

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Education XIX.

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French II; Journalism; Philosophy II.

HILDA LOUIS. Baltimore. 2234 *Eutaw Pl.*
Education XVII.

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English III, V, and VI; Philosophy I.

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A. M., University of Minnesota, 1915. *Spanish II.*

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Education IX.

CORA ADELE MACDONALD. Baltimore. *St. James Apts.*
Education XVIII.

DONALD MACDONALD. Baltimore. 1540 *N. Broadway.*
Johns Hopkins University. *Art I.*

MARGARET ANNA MADISON. Baltimore. 931 *Poplar Grove St.*
Education XVIII.

LAURA W. MAINSTER. Baltimore. 3915 *Gwynn Oak Av.*
Education XVII.

EDWARD DAVIS MAIRE. Baltimore. 1013 *N. Broadway.*
Medical School. *German II A.*

GERTRUDE RUTH MAKOVER. Baltimore. 3112 *Auchentoroly Ter.*
Spanish I.

ELIZABETH MALOOLY. Baltimore. 1003 *E. Preston St.*
Education XVII.

FRANCES JOSEPHINE MANN. Baltimore. 2647 *N. Calvert St.*
History III.

LOUISE ADAMS MANN. Baltimore. 2647 *N. Calvert St*
French IV.

ANNIE LEE MANNING. Baltimore. 3421 *Mondawmin Av.*
Education IX.

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Psychology II.

ANDREW ANTHONY MARCHETTI. Baltimore. 2800 *Suffolk Av.*
Johns Hopkins University. *German I.*

KATHERINE GRIFFITH MARSH. Baltimore. *Walbrook Apts.*
Education XI.

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Johns Hopkins University. *German I.*

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Education XVIII.

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English I.

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Psychology II.

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Mathematics I and II A.

LILLIAN ETHEL MCCORMICK. Baltimore Co. *Raspeburg.*
English II; Spanish I.

KATHERINE MCDEVITT. Baltimore. 2432 *N. Charles St.*
Education XIX.

GEORGIA WHITE MCDONNAL. Baltimore. 6 *White Av.*
Education XV.

MARJORIE MCGONIGLE. Baltimore. 1600 *Johnson St.*
Education Vb-VI.

ANNIE G. MCKEEVER. Baltimore. 523 *E. 21st St.*
Education XIX.

ELIZABETH MAINSTER MCLAIN. Baltimore. 715 *Gorsuch Av.*
Education XVIII.

IRENE ISABELLE MCLAUGHLIN. Baltimore. 405 *E. North Av.*
Mathematics II B.

MAUDE OCTAVIA MCCLELLAN. Baltimore. 2018 *E. Fairmount Av.*
Education XVII.

ELLA H. MCNALLY (Mrs.). Baltimore. *Pen Lucy Av.*
English V.

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Physics III (A).

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*MARY L. MCSHANE. *Education XVII.*	Baltimore.	1508 *Linden Av.*
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ANNIE GERTRUDE MELVIN. *English IV; Mathematics I.*	Baltimore.	725 *N. Fremont Av.*
ETHEL BAILEY MELVIN. *Education XII; English IV; Psychology II.*	Baltimore.	725 *N. Fremont Av.*
HARRY WILSON MERCER. *English II; French I.*	Baltimore.	128 *S. Gilmor St.*
ADALAIDE KERR MERRITT. *English I.*	Baltimore.	2107 *N. Calvert St.*
IDA GILL MESSERSMITH. *Education XVIII.*	Baltimore.	811 *N. Arlington Av.*
EUGENE PAUL METOUR. Graduate School. *Art I and IV.*	Annapolis.	172 *Green St.*
ANNIE C. MEUSHAW. B. S., Johns Hopkins University, 1920. *Education V.*	Baltimore.	812 *Winston Av.*
MYRTLE MEUSHAW. *Education IX; French I.*	Baltimore.	2104 *Allendale St.*
NANNETTE S. MEYERS. *Psychology II.*	Baltimore.	2422 *E. Fayette St.*
BESSIE MILIMAN. *Journalism.*	Baltimore.	2421 *W. North Av.*
HELEN DAWSON MILLAR. *Education XVII.*	Baltimore.	1719 *St. Paul St.*
ALICE ETTA MILLER. *Education V.*	Baltimore.	3014 *Guilford Av.*
EDITH VIRGINIA MILLER. *Chemistry I; Drawing; English II; French III; German II A.*	Baltimore.	3017 *St. Paul St.*
FREDERICK WILLIAM MILLER. *Education VIII.*	Baltimore.	417 *E. 22nd St.*
JULIA LETITIA MILLER. *English II.*	Baltimore.	711 *Gladstone Av.*
LUTHER BONNET MILLER. *Education IX.*	Baltimore.	4210 *H Av., Irvington.*

* Deceased January 4, 1922.

META HELENA MILLER. Graduate School. *Education X.*	Baltimore.	4210 *Vermont Av.*
PERSIS KIBBE MILLER. *Education Vb-VI.*	Baltimore.	722 *Wyndhurst Av.*
MORTON MAX MILLMAN. *Chemistry I.*	Baltimore.	511 *Aisquith St.*
ETTA MINDEL. *English III.*	Baltimore.	2211 *Bryant Av.*
MAX MONARCH. *English I.*	Baltimore.	1713 *E. Baltimore St.*
MARY CATHERINE MONK. *Education XVIII.*	Baltimore.	3641 *Sycamore St.*
GRACE MAGDOLENE MOORE. *Education V.*	Baltimore.	1327 *E. Eager St.*
JULIA AMANDA MOORE. *Education V.*	Baltimore.	1327 *E. Eager St.*
LUCIUS TERRELL MOORE. Graduate School. *German I.*	Baltimore.	2639 *Guilford Av.*
JOSEPH ALOYSIUS MORAN. Johns Hopkins University. *English V.*	Baltimore.	1821 *Harford Av.*
ANNA MORGANSTEIN. *Journalism.*	Baltimore.	237 *S. High St.*
MILDRED R. MORGANSTEIN. *Journalism.*	Baltimore.	237 *S. High St.*
BELLE CAPLES MORRIS (Mrs.) *English II.*	Baltimore Co.	*Towson.*
MARIE LOUISE MORROW. *Education XI.*	Baltimore Co.	*Riderwood.*
ANNA CALDWELL MOSS. *English V.*	Baltimore.	2 *Boulder Lane.*
WILLIAM WARD MOSS. *Philosophy II.*	Baltimore.	2 *Boulder Lane.*
WILLIAMSON WADE MOSS. *Chemistry III; Philosophy II.*	Baltimore.	923 *Poplar Grove St.*
EFFIE IRENE MURRAY. *Education Vb-VI.*	Baltimore.	*Kate Av. and Pimlico Rd.*
ELIZABETH MURRAY. *Education V.*	Baltimore.	2932 *McElderry St.*
M. BELLE MYERS. *Education XVII.*	Baltimore.	2014 *Maryland Av.*

MABEL FRANCES MYERS. Baltimore. 1808 *Rutland Av.*
Education XVIII.

MARGARET MYERS. Baltimore. 2200 *Allendale Rd.*
Education I.

LOUIS HASTINGS NAYLOR. Baltimore Co. *Pikesville.*
Graduate School. *Spanish II.*

ANNA BERNADETTA NAU. Baltimore. 745 *N. Chester St.*
Art I.

JAMES JOHN NAU. Baltimore. 745 *N. Chester St.*
Psychology II.

MARGARET STEPHANY NEWELL. Baltimore. *Franklin Av., Hamilton.*
A. B., Trinity College, 1921. *Education IX.*

ELIZABETH NICKEL. Baltimore. 2211 *Elsinor Av.*
French VIII and X.

MARY NICHOLS. Baltimore. 2102 *N. Charles St.*
Education XIX.

EUNICE ABULLA NOBLE. Baltimore. 3314 *Carlisle Av.*
Journalism.

JOY NOLAND. Baltimore. 259 *Robert St.*
English I.

MARY OPIE NORRIS. Baltimore Co. *Fullerton.*
Psychology II.

BELLE GERTRUDE NORWOOD. Baltimore. 824 *N. Fulton Av.*
Education XIX.

MARIE CECELIA O'BRIEN. Baltimore. 3016 *Belmont Av.*
Education XIII.

NELLIE L. O'CONNELL. Baltimore. 1217 *Madison Av.*
Education XVI.

EDWARD CHOATE O'DELL. Baltimore. 805 *N. Carey St.*
Johns Hopkins University. *English II.*

KATHERINE GENEVIEVE O'DONNELL. Baltimore. 1713 *Poplar Grove St.*
Education XVIII.

JOHN O'KEEFE. Baltimore. 2510 *Allendale Rd.*
Johns Hopkins University. *French VII.*

MARION OLIVER. Baltimore. 1166 *E. North Av.*
Education IX.

EDNA WALMSLEY OLWINE. Baltimore. 309 *E. Lafayette Av.*
Education XVIII.

W. ADELE O'NEILL. Baltimore. 234 *N. Carey St.*
Education XVIII.

OLIVIA ORAN OSBORN (Mrs.) *Education XVIII.*	Baltimore.	3901 *Brookline Av.*
BEATRICE COHEN OTTENHEIMER. *History I B.*	Baltimore.	1634 *Linden Av.*
MARY CAROLINE OYEMAN. *Education XIX.*	Baltimore.	21 *Belmar Av.*
ANNA M. A. PADIAN. *Education XVIII.*	Baltimore Co.	*Towson.*
EVA ANNA PALMER. *History I B.*	Baltimore.	*Plaza Apts.*
CARRIE ROMAINE PANEBAKER. *Education XVIII; English I.*	Baltimore.	20 *E. Franklin St.*
RICHARD ALEXANDER PARKER. Graduate School. *Spanish I.*	Baltimore.	1633 *W. North Av.*
SUMNER A. PARKER. *History III; Spanish I.*	Baltimore.	913 *St. Paul St.*
JOSEPHINE BLOODGOOD PASSMORE. School of Hygiene. *Chemistry I and III.*	Baltimore.	18 *Midvale Rd.*
MARY ALICE PATTERSON (Mrs.) *English I; History III.*	Baltimore.	332 *McMechen St.*
EDNA H. PEARCE (Mrs.) *Education XVIII.*	Baltimore.	1708 *Hollins St.*
MALVINA BANGS PEARSON. *Education XVIII.*	Baltimore.	2108 *Mt. Royal Ter.*
BERNICE PEASLACK (Mrs.) *Education IX and XII; Mathematics II A.*	Baltimore.	319 *E. 22nd St.*
JOSEPH BRITTAIN PEERY. B. A. Emory and Henry College, 1907. *Mathematics I.*	Baltimore.	439 *E. 22nd St.*
CAROLYN ELIZABETH PHILLIPS. *Education XIII.*	Baltimore.	418 *Rosedale Ter.*
EMMA HELENA PICKER. *Education IX.*	Baltimore.	2228 *W. North Av.*
LENA PICKER. *Education IX.*	Baltimore.	2228 *W. North Av.*
FLORENCE ETHEL PLITT. *History II A.*	Baltimore.	4008 *Belvieu Av.*
MARY RUMSEY POPE. *Education XVIII.*	Baltimore.	1113 *N. Caroline St.*
ADARESTA THOMPSON POST. *French V.*	Baltimore.	1409 *John St.*

ETHEL MCCAW POST (Mrs.) Baltimore. 2700 *N. Charles St.*
English I(G), II (G), III (G), and VI; Philosophy I; Psychology II.

ELIZABETH POTTER. Baltimore. 508 *E. North Av.*
Education IX.

ELSIE KATHERINE POTTER. Baltimore. 2709 *N. Calvert St.*
Education III.

MARY LEE POULTON. Baltimore. 614 *N. Arlington Av.*
Education IX.

JOSEPHINE ANTHONY POWER. Watertown, Mass. *Central Y.W.C.A.*
Education IX.

JENNIE R. PRICE. Baltimore. 1004 *W. Lanvale St.*
Education XVII.

LAURA AGNES PRICE. Baltimore. 128 *W. Franklin St.*
History I B.

CECILIA CHARLOTTE PRINCE. Baltimore. 3703 *Forest Park Av.*
Education XIII.

LILA O. PRYOR. Baltimore. 103 *Wyndhurst Av.*
Education XVIII.

CECILIA KATHERINE QUANDT. Baltimore. 900 *N. Gilmor St.*
Education XV.

ROBERT E. RALEIGH. Baltimore. 3420 *Garrison Av.*
Johns Hopkins University. *English I.*

GILBERT ALONZO RATCLIFF. Baltimore. 104 *Jackson Pl.*
Medical School. *French II.*

*VERA M. RATCLIFF (Mrs.) Baltimore. 104 *Jackson Pl.*
English I; French II.

ALBERT WILLIAM RAYNER. Baltimore. 1814 *Eutaw Pl.*
Chinese.

VIOLA REED. Baltimore. 2736 *Mosher St.*
History I B.

LILLIAN BERRY REESE. Baltimore. 4103 *Roland Av.*
Education XVI.

URSULA ELIZABETH REESE. Baltimore. 1534 *Riverside Av.*
Mathematics I.

BEULAH ESTHER REGESTER. Baltimore. 636 *Woodbourne Av.*
Education III.

ELIZABETH BOYD REIER (Mrs.) Baltimore. 630 *Hilton* St.
Education XIX.

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* Deceased, January 9, 1922.

HATTIE REIFNER. Baltimore. 2910 *Winchester St.*
Education Vb-VI.

MARY BLANCHE REINDOLLAR. Baltimore. *Homewood Apts.*
Education XVII.

JENNIE REIZENSTEIN. Baltimore. 904 *Whitelock St.*
Education IX.

MARIE SMITH RELLIET. Baltimore. *Homewood Apts.*
Education IX.

GEORGE GUNTHER REQUARD. Baltimore. 1 *E. Glenmore Av.*
Philosophy II.

ANNE EDITH REST. Baltimore. 2030 *Eutaw Pl.*
Education XVIII.

MARY C. REYNOLDS. Baltimore. 1046 *Valley St.*
Education XVIII.

MARY GERTRUDE RHODES. Baltimore. 4003 *Liberty Heights Av.*
Education XIX.

EDITH GRACE RICE. Baltimore. 604 *Lennox St.*
Hygiene.

BENJAMIN SUNDERLAND RICH. Baltimore Co. *Catonsville.*
Johns Hopkins University. *German I.*

MARTHA JANE S. RICHMOND. Baltimore. 603 *Evesham Av.*
Education XVII.

HELEN WATKINS RIPPARD. Baltimore. 1014 *W. Lanvale St.*
Education VIII.

JOSÉ A. RIVERA. Baltimore. 2825 *N. Calvert St.*
Medical School. *English I.*

PHILIP LIGHTFOOT ROBB. Baltimore. 118 *W. Lanvale St.*
Education VIII.

MARTIN ARNOLD ROBERTS. Baltimore. 2841 *St. Paul St.*
B. S., Johns Hopkins University, 1921. *Art I.*

DOROTHY MEDDERS ROBINSON (Mrs.) Baltimore. 2823 *Harlem Av.*
Biology III (A); Education I; Psychology IV (A).

ELIZABETH MACLAREN ROBINSON. Baltimore. 11 *W. Biddle St.*
B. A., Wellesley College, 1911. *Philosophy I.*

HELEN EUGENIA ROBINSON. Baltimore. 513 *N. Carrollton Av.*
English IV.

HELEN TUDOR ROBINSON (Mrs.) Baltimore. 106 *Ridgewood Rd.*
Italian I.

ORRIS GRAVENOR ROBINSON. Baltimore. 2823 *Harlem Av.*
Johns Hopkins University. *Education I.*

CAROLINE RODGERS. Baltimore. 1803 *Linden Av.*
Education XVIII.

MARY ROGERS. Baltimore. 810 *N. Calvert St.*
Chemistry I; French I.

VIRGINIA ROGERS. Baltimore. 219 *W. Lafayette Av.*
Education XVIII.

VIOLA V. ROGGE (MRS.) Baltimore Co. *Carroll Station.*
English V.

ANNA IRENE ROHRBAUGH. Baltimore. *Central Y. W. C. A.*
English IV.

EDNA ROLKER. Baltimore. 612 *S. Paca St.*
French IV.

BENJAMIN RONES. Baltimore. 1509 *Laurens St.*
Johns Hopkins University. *Art I and II.*

KATHERINE RONEY. Baltimore. 1517 *N. Bond St.*
Education XVI.

KATHERINE ROSE. Baltimore. 25 *N. Montford Av.*
Education Vb-VI.

MAX ROSEN. Baltimore. 542 *W. Lafayette Av.*
Johns Hopkins University. *English V.*

RENA JACOBI ROSENHEIM. Baltimore. 851 *Harlem Av.*
French IV.

MINNA ROSSBERG. Baltimore. 3212 *Frederick Av.*
Education XVIII.

EDNA ROTHHOLZ. Baltimore. 2108 *Bolton St.*
French VIII.

CARRIE ROW. Baltimore. 2918 *Evergreen Ter.*
Education XIII.

MARY B. ROW (MRS.) Baltimore. 7 *E. 27th St.*
Graduate School. *Spanish II.*

SUSINNE RUBY. Baltimore Co. *Towson.*
Psychology II.

J. FRED RUPPEL. Baltimore. 2003 *W. Baltimore St*
Education XVII.

BERTHA LOUISE RUSSELL. Baltimore. 518 *Radnor Av.*
Education IX.

ANDREW E. SABLE. Baltimore. 2101 *N. Calvert St.*
B. S. in C. E., Bucknell University, 1911. *Mathematics II B.*

PHILIP HELMER SACHS. Baltimore. 2107 *Linden Av.*
Johns Hopkins University. *English II.*

CAROLINE SAHM. Baltimore. 2532 *Pennsylvania Av.*
Education IX.

ELIZABETH SAKERS. Baltimore Co. *Hillsdale.*
Education XVII.

GRACE SCHORR SANDERS. Baltimore. 152 *Wilson St.*
Education XVII.

MARION PENTZ SANNER. Baltimore. 1935 *Mosher St.*
Education XIX.

G. RIDGELY SAPPINGTON. Baltimore. 3618 *Springdale Av.*
French III.

MAY ELIZABETH SAUNDERS. Baltimore. 219 *E. Preston St.*
Education XVII.

LUCILLE SCHAMBERGER. Baltimore. 3726 *Greenmount Av.*
B. S., Johns Hopkins University, 1920. *Journalism.*

HELENA CLARA SCHARF. Baltimore. 914 *N. Stricker St.*
Education XV.

MATTIE GRACE SCHAUT. Baltimore. 3516 *Clifton Av.*
Education IX.

MARY E. SCHEIB. Baltimore. 1643 *Ellamont St.*
Education II.

MAURICE SCHLEIN. Baltimore. 3410 *Park Heights Av.*
Chemistry I; History III.

LOUISE SCHMIDT. Baltimore. 3918 *Liberty Heights Av.*
Education Vb-VI.

CATHERINE DIGGS SCHNEPFE. Baltimore. 2101 *Erdman Av.*
Hygiene.

MARGARET A. SCHRITZ. Baltimore. 1611 *E. Biddle St.*
Education XVIII.

EDITH MAY SCHRYVER. Baltimore. 3708 *Chestnut Rd.*
Education XVIII.

FLORENCE HUDSON SCHUBERT. Baltimore Co. *Pikesville.*
Chinese; Education XI; French V and VII; Psychology I.

MARIE ELIZABETH SCHUH. Baltimore. 500 *N. Patterson Park Av.*
Education XIII.

CHARLOTTE SCHULER. Baltimore. 7 *E. Lafayette Av.*
Art I.

PAULA MARGARET SCHULER (Mrs.) Baltimore. 7 *E. Lafayette Av.*
Art I.

IVAN LEONARD SCHULZE. Baltimore. 2245 *Eastern Av.*
Johns Hopkins University. *Education II, III, and IX.*

ALFRED PRESTON SCOTT. Baltimore. 403 *E. 28th St.*
A. B., University of Delaware, 1914. *Education VIII.*

SARAH E. SEAGER (Mrs.). Baltimore. *Tuscany Apts.*
Education XVII.

MARIE LOUISE SEARCH. Baltimore. 618 *E. 34th St.*
Education IX.

VIRGINIA TAYLOR SEISS (Mrs.). Baltimore. 3922 *Clover Hill Rd.*
French VIII.

MIAH ELIZABETH SEITZ. Baltimore. 3961 *Greenmount Av.*
Education XVIII.

PAULINE ALEXINA SELLENS. Baltimore. 1337 *Caroline St.*
Education XVIII.

BEATRICE SELLERS. Baltimore. 106 *Longwood Rd.*
Education I.

MERCEDES SELLERS. Baltimore. 106 *Longwood Rd.*
Education I.

JESSIE MARIE SELLMAN. Baltimore. 1624 *Harlem Av.*
Education IX.

ROSALIE MARY SEYMOUR. Anne Arundel Co. *Boone.*
Education XV.

EILEEN GARLAND SHACKELFORD. Baltimore. 609 *Park Av.*
Education I.

ANNE SHAMBURGER. Baltimore. *Central Y. W. C. A.*
English I; Philosophy II; Psychology II; Spanish I.

DOROTHY BENETTA SHAPARD. Baltimore. 2934 *N. Calvert St.*
Education I and III.

ALINDA MARGARET SHEATS. Baltimore. 1711 *N. Caroline St.*
Education XVIII.

HELEN ELIZABETH SHERWOOD. Baltimore. 2709 *Guilford Av.*
Education XI.

BESSIE KING SHOWACRE. Baltimore. 732 *N. Fulton Av.*
Education XIX.

WILLIAM G. SHULES. Baltimore. 3222 *Abell Av.*
Graduate School. *Education V and VIII.*

FREDA SIGMUND. Baltimore. 1643 *Poplar Grove St.*
Chemistry I.

NANNETTE SILBERT. Baltimore. 2309 *McCulloh St.*
Chemistry II; English IV; French III; History II A.

LINA SIMON (Mrs.). Baltimore. 1734 *Linden Av.*
Comparative Philology; French IX.

CHARLES SKALET. Graduate School. *History III.*	Baltimore.	2400 *St. Paul St.*
MARGARET MILLER SLEMONS. *English V.*	Baltimore.	2134 *Bolton St.*
MOLLIE E. SMILEY. *Education XVIII.*	Baltimore.	1225 *N. Eden St.*
CARRIE ESTELLE SMITH. *Education XIX.*	Baltimore.	115 *N. Carey St.*
HENRIETTA SMITH. *Education XI.*	Oak Lane, Penn.	
JULIA RAY SMITH. *Education XI.*	Baltimore.	2773 *W. North Av.*
L. BLANCHE SMITH. *Hygiene.*	Baltimore.	1123 *Madison Av.*
MARIE LOUISE SMITH (Mrs.) *Education IX.*	Baltimore.	2930 *Clifton Av.*
MINNIE CECELIA SMITH. *Hygiene.*	Baltimore.	404 *N. Carrollton Av.*
NELLIE COOKMAN SMITH. *Education XV.*	Baltimore.	3033 *Windsor Av.*
SARA ROSS SMITH. *Art I.*	Baltimore.	2601 *N. Charles St.*
VALLIE ELIZABETH SMITH. *Education IV.*	Baltimore.	3527 *Roland Av.*
VIOLA MARTHA SMITH. *Education XI.*	Baltimore.	321 *S. Stricker St.*
WILBUR KENNETH SMITH. Johns Hopkins University. *German I.*	Baltimore.	1667 *Darley Av.*
CLARA EVA SMITHSON. *Education XVII.*	Baltimore.	1333 *W. Lafayette Av.*
ELIZABETH ANNA SMYTH. *Education XVII.*	Baltimore.	1217 *Madison Av.*
HELEN GROSVENOR SMYTH. *Education XIX.*	Baltimore.	1217 *Madison Av.*
LILLY CARLYN SNEIDMAN. *Education XVIII; Spanish I.*	Baltimore.	2026 *Eutaw Pl.*
RITA GANS SOLMSON (Mrs.) *Journalism.*	Baltimore.	2035 *Madison Av.*
HELEN DEFREES SOUTHARD. *Journalism.*	Baltimore.	1610 *Eutaw Pl.*

SAMUEL WALTER SPARKS. Baltimore. 4505 *Maine Av.*
Graduate School. *Education I, II, III, and V.*

ARDREY SPARLING. Baltimore. 1 *Queen Anne Rd.*
Education I.

CLARA ANNA SPENGEMANN. Baltimore. 3102 *Harford Rd.*
Education XIX.

CLARA MAY SPIELMAN. Baltimore. 700 *Park Av.*
Hygiene.

BERENICE EDWARDS SPRING. Baltimore. 417 *N. Charles St.*
A. B., Hood College, 1917. *Education X; French III, VII, and X.*

MARIE ANTOINETTE STACK. Baltimore. 1417 *Bolton St.*
English IV.

ETHEL MAY STALEY. Baltimore. 1600 *Eutaw Pl.*
Graduate School. *Spanish I.*

EDWARD GUY STAPLETON. Baltimore. 2518 *Maryland Av.*
Education VIII.

MARY C. STARR. Baltimore. 1411 *N. Central Av.*
Psychology II.

ZERLINE EMILIE STAUF. Baltimore. *Notre Dame College.*
English VI.

EDWARD B. STELLMANN. Baltimore. 701 *Cathedral St.*
Johns Hopkins University. *French VII.*

RENÉ MAURICE STEPHEN. Baltimore. 1025 *Madison Av.*
Johns Hopkins University. *English II.*

MARTHA BLADES STEPHENS. Baltimore. 2223 *Callow Av.*
B. S., Johns Hopkins University, 1916. *Spanish II.*

MABEL LEIGH STEPHENSON. Baltimore. 2432 *N. Calvert St.*
Education VIII.

FLORENCE RANDOLPH STERLING. Baltimore. 2624 *N. Calvert St.*
Education XVIII.

PAUL BRADLEY STEVENS. Baltimore. 230 *Light St.*
Johns Hopkins University. *Art I.*

MABEL BELMONTE STI NON. Baltimore. 517 *N. Milton Av.*
History III.

M. LETITIA STOCKETT. Baltimore. 1430 *Linden Av.*
A. B., Goucher College, 1909. *History II A.*

BEATRICE DUNDERDALE STOKES. Baltimore. 1639 *N. Calvert St.*
English II.

ISABELLE STONE. Baltimore. 2938 *St. Paul St.*
Philosophy II.

MINNIE HARRISON STRAYER. *Education XVIII.*	Baltimore.	400 *N. Carey St.*
FLORENCE STROMBERG. *Education XVIII.*	Baltimore.	2106 *Eutaw Pl.*
EDNA CATHERINE STROUSE. *Education I.*	Baltimore.	400 *Forest Rd.*
ALICE HANK STROTHER (Mrs.) *Education XIX.*	Baltimore.	1518 *W. Lanvale St.*
MARY FRANCES SULTZER. *Education V; History II A.*	Baltimore.	415 *E. Lafayette Av.*
VIRGINIA BREWINGTON SUMMERS. *Chemistry I; French III; Spanish II.*	Baltimore.	1542 *Pennsylvania Av.*
CHARLES L. SUTTLES. Medical School. *German II A.*	Baltimore.	1254 *N. Broadway.*
MARIE A. SWEENEY. *Education XVIII.*	Baltimore.	1108 *Forrest St.*
E. PAUL SYLVESTER. Johns Hopkins University. *Oriental Seminary I; Philosophy I.*	Baltimore.	2309 *Edgemont Av.*
HONORA MACKENZIE TALBOTT. *Hygiene.*	Baltimore.	*St. Paul Apts.*
ANNIE FAUNTELROY TALIAFERRO. *Education XVIII.*	Baltimore.	3314 *Elgin Av.*
ELLA H. C. TALIAFERRO (Mrs.) *Education Vb VI.*	Baltimore.	2305 *N. Calvert St.*
SALLIE C. TALIAFERRO. *Education XVII.*	Baltimore.	3314 *Elgin Av.*
KATHERINE LEONA TAMES. *Mathematics I.*	Baltimore.	5304 *Harford Av.*
CLARA VIRGINIA TAPMAN. *Education XVI.*	Baltimore Co.	*Catonsville.*
ELSA FRIEDA TEILER. *Education XIX.*	Baltimore.	2033 *Cliftwood Av.*
ALMA MARGUERITE THOMAS. *Education IX.*	Baltimore.	2031 *Guilford Av.*
E. FANNIE THOMAS. *Education XVIII.*	Baltimore.	4738 *Ready Av.*
HARRY V. THOMAS. Medical School. *German II A.*	Baltimore.	104 *Jackson Pl.*
MADALEINE ADDISON THOMAS. *Education IX.*	Baltimore.	2031 *Guilford Av.*

ELIZABETH CATHERINE THOMPSON. Baltimore. 2741 *St. Paul St*
Education XVII and XVIII.

HELEN CHAMBERLAINE THOMPSON. Baltimore. 518 *Virginia Av.*
Education XVIII.

JESSIE EELEY THOMPSON. Baltimore. 2612 *Kate Av.*
Education Vb VI.

EMMIE HARVEY THROWER. Baltimore. *Forrest Av. and Franklin Rd.*
English I and II.

MARY GENEVIEVE THUMAN. Baltimore. 2401 *Shirley Av.*
Art II; German I.

EMMA THURLEY. Baltimore Co. *Catonsville.*
Education XVII.

ALFRED LEE TIPTON. Baltimore. *Central Y. M. C. A.*
Johns Hopkins University. *Philosophy I.*

MAXINE ALBERTA TOTZKE. Baltimore. 2627 *Madison Av.*
Education XVIII.

RUTH TOWSON. Baltimore. 1533 *Park Av.*
Education XVIII.

MAX TRUBEK. Baltimore. 2202 *W. North Av.*
Johns Hopkins University. *Art I.*

MABEL TUMBLESON. Baltimore. 122 *S. Collington Av*
Education IX.

JOSEPHINE TURNBULL. Baltimore. 2102 *Rosedale St.*
Education XI.

LORA EVALINE ULRICH. Baltimore. 1311 *W. Lombard St.*
Education XI.

EUGENE HOBART UPTON. Baltimore. 2652 *Maryland Av.*
Johns Hopkins University. *English II.*

FELICIA STEARN URNER. Baltimore. 216 *E. 39th St.*
Education XIX.

GEORGE A. VAIDEN. Baltimore. 3602 *Cottage Av.*
A. B., Bethany College, 1908. *Mathematics II B.*

KATHERINE THERESA VALENTINE. Baltimore. 216 *Myrtle Av.*
B. S., Johns Hopkins University, 1921. *Education III.*

JOANNA VANDANIKER. Baltimore. 805 *N. Fremont Av.*
Education V.

KATHERINE SEYMOUR VANMETER. Baltimore. 1510 *W. Fayette St.*
Education IX.

MARGARETTA ELLENOR VOLZ. Baltimore. 2932 *McElderry St.*
Education V.

ELEANOR KIRKBRIDE WALKER. Baltimore. 2134 *Bolton St*
English V.

MARY VIRGINIA WALL. Baltimore. 2305 *W. Lanvale St.*
Education XV.

LOTTIE MYLES WALLACE. Baltimore. 2812 *Mosher St.*
Education XI.

MARY T. WALSH. Baltimore. 4014 *Edmondson Av.*
Education XVII.

MARY GROTHAUS WALTHAM (Mrs.) Baltimore. 715 *Belgian Av.*
Education XI.

JULIA FRANCES WARDSWORTH. Baltimore. 1315 *Harlem Av.*
Education XIX.

ESTELLE WARFIELD. Baltimore. 3349 *Windsor Av.*
Education XIX.

EDNA ELIZABETH WATSON. Baltimore. 1203 *W. Franklin St.*
Spanish I.

ESTHER ELIZABETH WATSON. Baltimore. 2128 *St. Paul St.*
English I; French VII.

FRANCES ELIZABETH WAY. Baltimore. 1611 *N. Caroline St.*
Education IX.

CELESTE GERNAND WEBER. Baltimore. 1618 *Linden Av.*
Education XVIII.

EMMA MATHILDA WEBER. Baltimore. 1315 *N. Calvert St.*
English II; Psychology I and IV.

KATHERINE PHILLIPS WEBSTER (Mrs.) Baltimore. 900 *Madison Av.*
History I B.

SALLIE ELIZABETH WEEDON. Baltimore. 421 *N. Carey St.*
Education XVIII.

MARIE ANTOINETTE WEIDENHAMMER. Baltimore. 213 *S. Calhoun St.*
B. S., Johns Hopkins University, 1921. *History III.*

CAROLINE FREDERICKA WEIGAND. Baltimore. 3314 *Carlisle Av.*
French V.

ELSA WEILEPP. Baltimore. 801 *N. Fulton Av.*
Education IX.

MARY HALBERT WELLENER. Baltimore. 1724 *N. Bond St.*
Education XVIII.

FLORENCE ELIZABETH WELLS. Baltimore. 7 *Dolfield Av.*
Chemistry I.

GRACE ELY WELLS. Baltimore. 7 *Dolfield Av.*
Mathematics II B.

HELEN CONOWAY WELLS. Baltimore Co. *Catonsville.*
Education XIX.

JOSEPH BRENT WELLS. Baltimore. 2931 *St. Paul St.*
Johns Hopkins University. *Philosophy II.*

LAURA MARIE WELLS. Baltimore. 2121 *W. Lexington St.*
Education XVIII.

MARY ALICE WENCHEL. Baltimore. 521 *N. Wolfe St.*
Education IX.

BRUCE ALBION WENTZ. Ferderick Co. *Frederick.*
Graduate School. *Education V and XI.*

JULIAN M. WEST. Baltimore. 601 *Orkney Rd.*
Johns Hopkins University. *English V.*

MARY SWANN WEST. Baltimore. 301 *E. 22nd St.*
Education I.

ALICE ELIZABETH WHEAT. Baltimore. 1036 *Brantly Av.*
Education XVIII.

HELEN LOUISE WHEELER. Baltimore. 3715 *Liberty Heights Av.*
Education XI.

WILBUR FRANK WHEELER. Baltimore. 3809 *Woodbine Av.*
Johns Hopkins University. *Oriental Seminary I and II.*

ALICE OLIVIA WHITE. Baltimore. 2446 *Maryland Av.*
A. B., Goucher College, 1920. *History I B.*

BEULAH MAY WHITE. Baltimore. 13 *E. Franklin St.*
Art IV; Chemistry I; French III; German I; History II A.

ELEANOR WHITE. Baltimore. 914 *N. Charles St.*
Philosophy II.

OTHO MARVIN WHITMORE. Baltimore. 2204 *Montebello Av.*
A. B., Randolph Macon College, 1903; A. M., 1904. *Mathematics II B*

IDA AMELIA WHOLEY. Baltimore. 2116 *N. Charles St.*
French I.

MARY MARGARET WIERS. Baltimore. 16 *E. Lanvale St.*
Education XVIII.

CLARA WIGHTMAN. Baltimore. 1614 *Bolton St.*
Education XVIII.

VIRGINIA WIGHTMAN. Baltimore. 1614 *Bolton St.*
Psychology I.

HELEN CATHERINE WILCOXON. Baltimore. 2108 *Mt. Holly St.*
Education Vb-VI.

LENORE WILD. Baltimore. 436 *Lorraine Av.*
Hygiene.

WILLIAM HENRY WILHELM. Baltimore. *Ken Oak Av.*
Education VIII.

CATHERINE ANGELA WILKINSON. Baltimore. 1033 *Edmondson Av.*
Education XVIII.

IRA WILLIAMS. Baltimore. 741 *W. North Av.*
Spanish I.

MARY ELLEN WILLIAMS. Baltimore. 1422 *W. Fayette St.*
Education XIX.

PARKER CLOYD WILLIAMS. Baltimore. 3525 *Newland Av.*
Johns Hopkins University. *English II.*

REBECCA KATHERINE WILLIAMS. Baltimore. 1415 *N. Caroline St.*
Education XIII.

SUSANNA WILLIAMS. Baltimore. 1311 *N. Caroline St.*
German I.

JAMES W. WILLS. Baltimore. 4310 *Maine Av.*
Johns Hopkins University. *English I.*

MARY MARJORIE WILLS. Baltimore. 1012 *W. Lanvale St.*
French I.

JOHN ERNEST WIMMER. Baltimore. 534 *N. Fulton Av.*
English IV.

BERTHA AGATHA WISEMAN. Baltimore. 434 *E. 22nd St.*
Education XIX.

HELENE MARGUERITE WITTMAN. Baltimore. 2726 *Wilkens Av.*
English I.

OLIVER WOLCOTE. Baltimore. *Y. M. C. A.*
Johns Hopkins University. *Philosophy II.*

CARL G. WOLFE. Baltimore. 5202 *Harford Rd.*
Graduate School. *Art I.*

TOWNLEY ROBEY WOLFE. Baltimore. 4003 *Forest Park Av.*
Education XVII.

DAVID CHARLES WOLK. Baltimore. 1827 *Fairmount Av.*
English V.

HARRIET ELIZABETH WORTHINGTON. Baltimore. 2315 *W. Lanvale St.*
Education XVII.

MARGUERITE MILDRED WREDE. Baltimore. 3902 *Belle Av.*
Education Vb-VI.

ELEANOR WRIGHT. Baltimore. 2643 *N. Calvert St.*
B. S., Johns Hopkins University, 1920. *French VII and History III.*

EMMA RUTH WRIGHT. Baltimore. 4023 *Belle Av.*
English I.

KATHERINE ELIZABETH WYATT. *English II; Psychology I.*	Baltimore.	2639 *N. Charles St.*
TSIN-SHING YANG. Graduate School. *French II; German II A.*	Baltimore.	2625 *Maryland Av.*
MARGUERITE LOUISE ZAMRZLA. *Journalism.*	Baltimore.	132 *N. Luzerne Av.*
CAROLINE LOUISE ZIEGLER. A. B., Goucher College, 1907. *Education VIII.*	Baltimore.	2704 *N. Charles St.*

UNIVERSITY EXTENSION CENTER: WOODSIDE, MD.

Education XII: The Individual in Relation to Classroom Organization and Management

GRACE E. BEALL.	Rockville.
MYRTLE LAVERSA BENDER.	Washington, D. C. 1104 *M St.,N.W.*
WILMA CALDWELL.	Kensington.
HELEN STORER CARRIS (Mrs.)	Silver Spring.
DOROTHY HERRING CLUM.	Kensington.
DOROTHY CRAMER.	Chevy Chase.
LUELLA DAVIS (Mrs.)	Takoma Park.
NANNIE RUTHERFORD FLINN.	Kensington.
ALEXINE MARY GARDNER (Mrs.)	Brookeville.
GRACE TRUMAN HUNTER.	Silver Spring.
MILDRED JOHNSTON KLEY (Mrs.)	Silver Spring.
A. B., George Washington University, 1909.	
MARY MAGRUDER.	Sandy Spring.
LOUISE MCCENEY.	Silver Spring.
BEATRICE VIRGINIA MICHAEL.	Sandy Spring.
A. B., Hood College, 1921.	
HATTIE JANE MONTGOMERY.	Silver Spring.
KATHERINE BRADDOCK PYLES (Mrs.)	Washington, D. C. 930 *K St., N.W.*
MARGARET RING.	Garrett Park.
ANNA F. ROSE.	Kensington.
BESSIE CALDWELL ROWLEY (Mrs.)	Silver Spring.
GRACE LEWIS RYAN (Mrs.)	Kensington.
LILLIAN WARFIELD SAGE.	Rockville.
A. B., George Washington University, 1921.	
VERA HUGHES SCHEURING.	Washington, D. C. 2107 2*d St., N. W.*
ELEANOR LOUISE SMITH.	Rockville.
GEORGIA MAI TAYLOR.	Rockville.
ETHEL GRACE VANHOESEN (Mrs.)	Rockville.
FRANCIS WASHINGTON WATKINS.	Silver Spring.
B. S., National Normal University, 1899.	
ELSIE L. WHEELER.	Brookland.

UNIVERSITY EXTENSION CENTER: FREDERICK, MD.

Education II: Principles of Education

Henry H. R. Brechbill.	Thurmont.
Stella E. Brown.	Frederick.
Huldah Brust.	Frederick.
Chester Garfield Clem.	Frederick.
Margaret Eichelberger Duvall.	Frederick.
Frances E. Flory.	Thurmont.
Spencer Fenton Harris.	Frederick.
Katherine Cordelia Kefauver.	Middletown.
Minnie F. McBride.	Frederick.
George Lorenzo Miller. A. B., St. John's College, 1908.	Frederick.
Elizabeth Virginia Musser.	Middletown.
George Lloyd Palmer. Johns Hopkins University.	Frederick.
Gordon Nevin Rebert.	Frederick.
Charles Calvin Thomas Stull.	Thurmont.
Spencer Clarence Stull.	Frederick.
Bruce Albion Wentz.	Frederick.
Ralph Lee Zimmerman.	Frederick.

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UNIVERSITY EXTENSION CENTER: HAVRE DE GRACE, MD.

Education XII: The Individual in Relation to Classroom Organization and Management

CHARLOTTE EVA CARROLL.	Havre de Grace.
ELIZABETH WRIGHT CARVER (Mrs.) Johns Hopkins University.	Aikin.
FLORENCE HANNA CRONIN.	Aberdeen.
SARAH HELEN CRONIN.	Aberdeen.
ELIZABETH B. CURRIER (Mrs.)	Havre de Grace.
WALTER HICKS DAVIS. A. B., Washington College, 1907.	Havre de Grace.
SUSIE AGNES DONNELLY.	Havre de Grace.
BESSIE FORWOOD.	Aberdeen.
ALICE ISABEL HARKINS.	Havre de Grace.
PEARL BRISTOW HOWARD (Mrs.)	Havre de Grace.
ALICE M. KELLY.	Havre de Grace.
DOROTHY RICHARDSON KRIETE.	Aberdeen.
MARGARET BERTILLA MCDONALD.	Havre de Grace.
DORSEY H. NELSON.	Perryman.
MARGARET WHITEFORD SILVER.	Havre de Grace.
ESTHER O'NEILL SMITH (Mrs.)	Havre de Grace.
REBECCA WHITESIDE SQUIRE.	Port Deposit.
CAROLINE WHITAKER STUMP. Johns Hopkins University.	Perryville.
LAURA BEATTY TAMMANY.	Havre de Grace.
LILLIAN BOOKER WALLACE (Mrs.)	Havre de Grace.
HELEN WRIGHT WATSON (Mrs.) Ph. B., Dickinson College, 1903.	Perryville.
HANNAH CATHERINE WHITELOCK.	Aikin.
HELEN JANE WRIGHT.	Aikin.

(23)

Total (1032)

STUDENTS REGISTERED IN 1920-21 TOO LATE FOR INCLUSION IN THE REGISTER FOR THAT YEAR

CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

ANNA ESTELLE BROWN. Baltimore. 2001 *Madison Av.*
Maryland State Normal School. *Education VIII.*

AGNES SNYDER. Baltimore. 2401 *Shirley Av.*
Baltimore Teachers Training School. *Psychology* 18(G) and 28(G).

SPECIAL STUDENTS

ROBERT TURNER ALLISON, JR. Baltimore. 3010 *Guilford Av.*
B. S., Davidson College, 1920. *French II.*

CHARLES HENRY BALDWIN. Baltimore Co. *Baldwin.*
Friends School. *Spanish I.*

ESTHER ROYSTON BELT. Baltimore. 4909 *Crowson Av.*
History I A.

LLOYD MILLARD BERTHOLF. Spivey, Kans. 2648 *Maryland Av.*
Southwestern College (Kans.). *German I.*

EDWARD FRANKLIN BUCHNER, JR. Baltimore. 2120 *Callow Av.*
Baltimore City College. *German I.*

MARY C. L. CASEY. Baltimore. 1327 *N. Central Av.*
French I.

NELLIE A. CASTLEBERG. Baltimore. *The Emersonian.*
Political Science.

HERBERT ELLSWORTH CORY. Baltimore. 2801 *W. North Av.*
A. B., Brown University, 1906; Ph. D., Harvard University, 1910. *Psychology I and II.*

OCTAVIA AMELIA DALLAM. Baltimore. 1318 *Bolton St.*
Sapnish I.

THEODORE R. DANKMEYER. Baltimore. 2941 *Walbrook Av.*
History I A.

EDWARD CYRIL DONOHOE. Greensburg, Pa. 2644 *N. Charles St.*
Greensburg High School. *French II.*

SAMUEL ROGERS DI PAULA. Baltimore. 14 *W. Franklin St.*
French II.

M. ELEANOR EVANS. Baltimore. 505 *Beaumont Av.*
English II.

ROBERT FONTZ. Michellville. 2601 *N. Charles St.*
St. Michael's High School. *Spanish I.*

NORRIS LAWRENCE GENESE. Baltimore. 621 *N. Calhoun St.*
Baltimore City College. *Journalism.*

ELEANOR CECILIA HEAVEY. Howard Co. *Ellicott City.*
Spanish I.

BENNIE HERMAN. Greenville, S. C. 3749 *Reisterstown Rd.*
Greenville High School. *Philosophy II.*

JOHN FRANK HEWITT. Baltimore. 812 *N. Carey St.*
Baltimore City College. *Journalism.*

NELSON J. HOWARD. Pocatello, Idaho. 3222 *Abell Av.*
University of Idaho. *French II.*

FRED KAIRYS. Baltimore. 3406 *Auchentoroly Ter.*
Baltimore City College. *Art I.*

DONALD HECTOR MACDONALD. Baltimore. 1540 *N. Broadway.*
Baltimore City College. *German I.*

SAMUEL FREDERICK MARSHALL. Hagerstown. 3014 *N. Calvert St.*
Washington County High School. *French II.*

ROBERT WARNER MONROE. Hagerstown. 2205 *N. Charles St.*
Washington County High School. *French II.*

KATHERINE FRANCES MUESSE. Baltimore. 1248 *N. Broadway.*
Project Method of Teaching.

HENRY DARLING NILES. Baltimore. 2522 *N. Charles St.*
Marston's University School. *French V.*

ROBERT EDWARD OWINGS. Baltimore. 1733 *Linden Av.*
Friends School. *Spenish III.*

MARGARET CAREY PECHIN. Baltimore. *The Greenway.*
Art I.

MINNIE JOHNSON PECHIN (Mrs.) Baltimore. *The Greenway.*
Art I.

LILLIAN BERRY REESE. Baltimore. 4103 *Roland Av.*
History 2.

DOROTHY BERRY ROSENBERG. Baltimore. *The Emersonian.*
English 1; *Political Science.*

MARY PAGE NELSON RUTH (Mrs.) Baltimore. *The Greenway.*
Art I.

HYMAN STROUSS. Bristol, Tenn. 5 *W. 27th St.*
University of Virginia. *French II.*

FELIX H. TAN. Baltimore. 2625 *Maryland Av.*
French I.

ESTELLE S. WALTERS. Baltimore. 1716 *St. Paul St.*
Psychology XII (G).

WILLIAM MILES WILSON. Portland, Ore. 1016 *N. Broadway.*
S. B., Whitman College, 1920. *German I.*

JOHN ARTHUR WISNER. Baltimore Co. 2735 *Maryland Ax*
Lebanon Volley College. *German I.*

ELEANOR WRIGHT. Baltimore. 2643 *N. Calvert St.*
B. S., Johns Hopkins University, 1920. *French VII.*

LESLIE LOGAN YOUNG. Baltimore. 1208 *N. Charles St.*
English IV.

VII. ATTENDANTS ON COURSES IN SOCIAL ECONOMICS

VIOLET TENNEY BABCOCK, A. B. 2242 Pennsylvania Av.
Social Legislation; Social Statistics; Conference; Economic Seminary.

RUTH BAETJER, A. B. 500 Roland Av.
Social Legislation; Social Statistics.

MARY D. BALLOU (Mrs.), 225 E. 33rd St.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

HELEN WESTCOTT BARBRE (Mrs.). 625 Bartlett Av.
Health.

HILDA FRANCES BARRY. 3003 Abell Av.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

MARY VIOLA BENT. 2007 Homewood Av.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

MARJORIE E. BROWN. 500 Hawthorn Rd.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics.

DOROTHY GERALDINE CROKER. 4314 Groveland Av.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

LYDIA MARGARETTA CULVER. 1643 Ellamont St.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics;

MARTHA ALFRED DEW (Mrs.). 325 N. Fulton Av.
Health.

IDELLA VIRGINIA DUVALL, A. B. 2615 Maryland Av.
Social Legislation; Social Statistics; Conference; Economic Seminary.

PEARL EFROS. 2040 E. Baltimore St.
Health.

ANNE E. HANKIN. 2204 W. North Av.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

ELIZABETH BARNES HANNA. Walbert Apts.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

HORTENSE MILLER KAHN. 2418 Eutaw Place.
Social Case Work; Health.

RUTH ELIZABETH MEETH. 3507 Liberty Heights Av.
Social Case Work; Health, Immigrant Peoples; Social Legislation.

LOUISE DALLAM NELSON. 2101 Bolton St.
Social Case Work; Immigrant Peoples.

HARRIET JULIET PARSONS. Walbert Apts.
Health.

LILLIAN PASTERNAK. 2325 Maryland Av.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

LOUISE ETHELWIN PICKELL. 708 St. Paul St.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

DOROTHY MEDDERS ROBINSON. 2823 Harlem Av.
Social Legislation.

MILDRED I. ROSIAK. 936 S. East Av.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

JESSIE LEITCH SNOW. 424 Roland Av.
Health; Immigrant Peoples.

BARBARA E. STOUFFER. 21 N. Carey St.
Health.

MARGARET EYRE TAYLOR. 800 Cathedral St.
Social Case Work.

RUTH TINGLEY. 64 Roland Av.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics; Political Economy.

MARGARET KATHRYN WHISTLER. 2745 N. Calvert St.
Health; Social Medicine; Social Case Work; Immigrant Peoples; Community Problems and Org.; Social Work and Law; Home Economics.

STUDENTS REGISTERED IN 1920-21 TOO LATE FOR INCLUSION IN THE REGISTER FOR THAT YEAR

BERNICE VICTORIA CONNER. Marion Station.
Social Case Work; Social Medicine.

HELEN C. EMERSON (Mrs.) Baltimore. 2323 *Linden Av.*
Social Medicine; Community Problems; Home Economics.

VIII. ATTENDANTS ON COURSES IN BUSINESS ECONOMICS

CLARENCE T. ADAMS.	2038 Park Av.	*Elementary Accounting.*
ERNEST HENRY ADAMS.	4103 Roland Av.	*Elementary Accounting; Commercial Law.*
AMY PRESCOTT ALLISON.	2211 N. Charles St.	*Advertising.*
C. WILLARD AMOS.	2215 N. Charles St.	*Political Economy.*
ADA M. ANDREW.	3305 Windsor Mill Rd.	*Current Economic Problems.*
EDWARD J. ARMSTRONG.	1131 N. Bond St.	*Elementary Accounting.*
ELSIE ARMSTRONG.	827 Hamilton Ter.	*Salesmanship.*
HARRIET ARMSTRONG.	827 Hamilton Ter.	*Current Economic Problems.*
EDWARD HUGO ARNOLD.	318 N. Hilton St.	*Business English.*
JAMES LESTER ASKEY.	1403 Madison Av.	*Salesmanship.*
ANNA W. AUBEL.	1105 Longwood St.	*Commercial Law.*
ELLA GLADYS AUER.	2817 Clifton Av.	*Elementary Accounting.*
DAVID AYLESWORTH.	1905 Longwood St.	*Railway Accounting.*
ADAM K. BACKER.	3729 North Road.	*Business Psychology.*
BANKARD FREDERICK BAER.	Raspeburg.	*Salesmanship; Principles of Business.*
ELSIE MARIE BAER.	Raspeburg.	*Business English.*
IRENE VIRGINIA BAER.	Raspeburg.	*Business English.*
W. A. BAILEY.	2720 Guilford Av.	*Political Economy.*
ALFRED W. BAKER.	2704 Allan Av.	*Salesmanship.*
MINNIE THRESA BAKER.	2827 W. North Av.	*Advertising.*
RUSSELL JOHN BAKER.	409 Evesham Av.	*Principles of Business.*
CHARLES H. BALDWIN.	Baldwin.	*Investments.*
WILLIAM W. BALDWIN.	204 Goodwood Gardens.	*Business Psychology.*
MARY D. BALLOU (MRS.).	225 E. 33rd St.	*Political Economy.*
EDWARD J. BANEY.	Central Y. M. C. A.	*Investments; Commercial Law.*
MARGARETTA BARNES.	Glenarm.	*Salesmanship.*
JAMES BARNETT.	1620 Bolton St.	*Salesmanship.*
GERALD WALKER BARRETT.	111 E. Lafayette Av.	*Salesmanship.*
JOHN HENRY BARRON, JR.	3022 Abell Av.	*Salesmanship.*
HILDA FRANCIS BARRY.	3003 Abell Av.	*Political Economy.*
J. RAMSAY BARRY, JR.	114 Roland Av.	*Business Psychology.*
KATHERINE BARTHOLOMEW.	842 W. Lexington St.	*Elementary Accounting.*

FRANCIS GILPIN BARTLETT.	2100 Mt. Royal Ter.	*Salesmanship.*
T. E. BARTON, JR.	Lansdowne.	*Salesmanship.*
OLGA BATESON.	1700 Bolton St.	*Investments.*
HALSOM R. BATTLEY.	Edgewood Arsenal.	*Salesmanship; Advertising.*
JOHN G. BAUERNSCHMIDT.	423 Augusta Av.	*Principles of Business.*
ALEXANDER E. BAUHAN.	3908 Kate Av.	*Current Economic Problems.*
ARTHUR CLAYTON BEALL.	Homewood Apts.	*Business Psychology.*
ETHEL BECK.	1819 Guilford Av.	*Business Psychology.*
WILLIAM ARTHUR BECK.	2105 Cliftwood Av.	*Salesmanship.*
PHILIP BEIGEL.	Belair Road.	*Elementary Accounting.*
GEORGE RUSSELL BENSON.	Westminster.	*Railway Accounting.*
MARY VIOLA BENT.	2007 Homewood Av.	*Political Economy.*
CORINNE MURAT D. BERRY.	1101 N. Calvert St.	*Suretyship.*
MARY BRITA BERGLAND.	1116 N. Charles St.	*Investments.*
GEORGE D. T. BIEN.	Raspeburg.	*Salesmanship.*
SYLVAN A. BIRKENWALD.	2550 Madison Av.	*Elementary Accounting.*
KENNETH OSCAR BITTER.	Cabash Av., Roland Pk.	*Elementary Accounting.*
SCHUYLER C. BLACKBURN.	405 Lorraine Av.	*Business Psychology.*
LENA LOUISE BLACKER.	1118 Laurens St.	*Advertising.*
SAMUEL J. BLIGHT.	1822 N. Charles St.	*Casualty Insurance.*
EDWIN BLUM.	2735 Belair Av.	*Elementary Accounting*
HERBERT BLUM.	504 Sanford Pl.	*Salesmanship.*
CHARLES BOCK.	320 S. Calhoun St.	*Salesmanship.*
WILLIAM A. BOGGS.	815 Hamilton Ter.	*Investments.*
CHARLES A. BOLGIANO.	8 Elmhurst Rd.	*Commercial Law.*
JAMES ISAAC BONNER.	118 E. 25th St.	*Elementary Accounting.*
GUY BONNEY.	1511 Mt. Royal Av.	*Railway Accounting.*
DAVID L. C. BONTHRON.	400 Lorraine Av.	*Principles of Business.*
ALVIN J. BORGMAN.	2246 McElderry St.	*Elementary Accounting.*
JEROME LEONARD BOURBON.	1200 Homewood Av.	*Elementary Accounting.*
ROBERT F. BOWERS.	1041 William St.	*Casualty Insurance.*
EDWIN RISDON BOYER.	503 Loudon Av.	*Salesmanship.*
JOHN BOYKO.	621 S. Belnord Av.	*Elementary Accounting; Business English.*
SAMUEL BRAITMAN.	2307 Edgemont Av.	*Business English.*
ARTHUR EVANS BRAMBLE.	1433 Edmondson Av.	*Salesmanship; Business Psychology.*
DANIEL BAKER BRATT.	3100 N. Calvert St.	*Railway Accounting.*
CHARLES S. BRAWNER.	4 Club Road.	*Casualty Insurance.*
H. PEIRCE BRAWNER.	4 Club Road.	*Casualty Insurance.*
MARGARET B. BRENNAN.	308 E. 28th St.	*Principles of Business; Commercial Law.*

HORACE D. BRIGSTOCKE.	110 E. Preston St.	*Current Economic Problems.*
CHARLES L. BRODMAN.	1410 Aisquith St.	*Railway Accounting.*
J. VINCENT BROOKS, JR.	3314 Alto Av.	*Casualty Insurance.*
MARGARET C. BROOKS.	2926 Guilford Av.	*Business English.*
A. CHESTER BROWN.	2029 N. Calvert St.	*Elementary Accounting.*
MABEL BROOM.	800 E. North Av.	*Commercial Law.*
CHARLES L. BROWN.	602 E. 34th St.	*Elementary Accounting.*
EARL AYRES BROWN.	Sparks.	*Advertising.*
LOUISE B. BROWN.	2001 Madison Av.	*Suretyship.*
ARTHUR WEBSTER BRYAN.	1721 St. Paul St.	*Business Psychology.*
RICHARD McC. BRYAN.	722 E. North Av.	*Business Psychology.*
HARRY I. BURM.	2638 E. Hoffman St.	*Railway Accounting.*
EUGENE B. BURNS.	2915 Pennsylvania Av.	*Railway Accounting.*
RALEIGH S. BURROUGHS.	3809 Park Heights Av.	*Advertising.*
EDGAR B. CAHN.	2316 Mt. Royal Ter.	*Elementary Accounting.*
HAROLD BERNARD CAHN.	2401 Eutaw Pl.	*Current Economic Problems.*
HARRIET CAHN.	1401 Linden Av.	*Advertising.*
MORRIS MANUEL CAPLAN.	1719 Appleton St.	*Commercial Law.*
LEONORA E. CARPENTER.	1317 Park Av.	*Current Economic Problems.*
CHAUNCEY A. CARRIGAN.	1806 N. Calvert St.	*Elementary Accounting.*
LLOYD S. CARTER.	126 N. Calhoun St.	*Investments.*
WILMER C. CARTER.	2227 St. Paul St.	*Casualty Insurance.*
HARRY JOSEPH CASEY.	4100 Maine Av.	*Commercial Law.*
WILLIAM E. CHAMBERLAIN.	1744 E. Chase St.	*Business Psychology.*
ROBERT C. CHARLTON.	211 E. North Av.	*Political Economy.*
CHAO MING CHEN.	2737 Maryland Av.	*Investments; Salesmanship; Prin. of Busn's.*
SARAH BEATRICE CLARK.	Litchfield, Conn.	*Current Economic Problems.*
WILLIAM F. CLARK, JR.	Fort Howard.	*Salesmanship.*
JAMES C. CLARKE, JR.	Pikesville.	*Salesmanship.*
ALLAN M. CLEAVELAND.	2124 Mt. Holly St.	*Political Economy.*
CHARLES P. CLOONAN.	1137 Hull St.	*Business English.*
EDWARD JONES CLOPTON.	3010 Guilford Av.	*Investments.*
CHARLES ROBERT COLLINS.	210 W. 25th St.	*Principles of Business.*
J. DUANE CONNOLLY.	2438 Guilford Av.	*Principles of Business.*
MARGARET D. COOPER.	1410 W. Mulberry St.	*Suretyship.*
HENRY DOUGLAS COTTON.	3004 N. Calvert St.	*Elementary Accounting.*
WILLIAM H. COULBOURN.	Brooklyn.	*Commercial Law.*
JOSEPH FORD COURSEY.	1910 N. Payson St.	*Business English*
DOROTHY G. CROKER.	4314 Groveland Av.	*Political Economy.*

WARREN P. CULBERTSON.	2702 Greenmount Av.	*Commercial Law.*
MARGARETTA CUNNINGHAM.	1130 Barclay St.	*Business English.*
JAMES D. CUSHMAN.	1432 N. Eden St.	*Railway Accounting; Business Statistics.*
W. BRADFORD CUSHMAN.	101 E. 25th St.	*Casualty Insurance.*
RICHARD DALLAM, JR.	Belair.	*Suretyship.*
MARY ALICE DANDY.	223 E. Lafayette Av.	*Current Economic Problems.*
ALAN F. DANEKER.	Mt. Washington.	*Investments.*
EMILY DASHIELL.	1525 Eutaw Pl.	*Suretyship.*
EDWIN A. DAVANET.	1052 William St.	*Investments.*
AUDREY W. DAVIS.	322 E. 22nd St.	*Current Economic Problems.*
HARRY C. DAVIS.	13 E. Lanvale St.	*Casualty Insurance.*
HOWARD LEROY DAVIS.	3811 Park Heights Av.	*Salesmanship.*
WINFIELD DUNAN DAVIS.	Glengyle & Pk. Hgts. Av.	*Investments; Salesmanship.*
LEILA WILTSIE DAVISON.	Raspeburg.	*Railway Accounting.*
HOWARD E. DEMUTH.	4307 Forest Park Av.	*Investments.*
HOMER C. DENISON.	908 Munsey Bldg.	*Current Economic Problems.*
SIDNEY CLARK DEOLITTLE.	508 Woodlawn Rd.	***Suretyship.***
AUGUST DEWART, JR.	1142 N. Stricker St.	*Principles of Business.*
HERBERT CARLISLE DEWS.	1709 Hollins St.	*Railway Accounting.*
CHRISTINE A. M. DIENER.	1310 Light St.	*Advertising.*
HENRY CLAY DODSON.	2642 N. Charles St.	*Principles of Business.*
HENRY DOELLER, JR.	Tuscany Apartments.	*Salesmanship.*
RAYMOND J. DONAHUE.	415 W. Mulberry St.	*Commercial Law.*
HARRY S. DONAWAY.	1013 N. Bentalou St.	*Railway Accounting.*
A. NORMAN DOSIER.	13 South St.	*Investments; Political Economy.*
CHARLES RICHARD DOYLE.	1101 Melvale Rd.	*Salesmanship.*
DANIEL F. DOYLE.	914 Gorsuch Av.	*Investments.*
WILLIAM GERALD DOYLE.	Hamilton.	*Salesmanship.*
WILLIAM JOSEPH DOYLE.	1917 E. 28th St.	*Salesmanship.*
CHARLES SMITH DREW.	Guilford Manor Apts.	*Casualty Insurance.*
HERMAN S. DUKER.	Gilman Apartments.	*Casualty Insurance.*
CHARLES G. DUNN.	Preston Apartments.	*Casualty Insurance.*
JAMES A. DURSTON.	3622 Greenmount Av.	*Salesmanship.*
ROXANA LOUISE DUVALL.	3523 Liberty Hgts. Av.	*Political Economy.*
CHARLES WM. EACKLES.	606 N. Ellwood Av.	*Commercial Law.*
J. ALBAN EAGERS.	3240 O'Donnell St.	*Commercial Law.*
PEARL EFROS.	2040 E. Baltimore St.	*Political Economy.*
JOSEPH H. EISENRICH.	16 S. Washington St.	*Investments.*

EMORY V. ELLIOTT.	1557 N. Gilmor St.	*Principles of Business.*
OLIN O. ELLIS.	Tudor Hall Apts.	*Investments.*
HENRY C. ELPHINSTONE.	902 Beaumont Av.	*Railway Accounting.*
WILLIAM C. EMGE.	2109 Mura St.	*Political Economy.*
CLARENCE R. ENGBERG.	Room 524, Y. M. C. A.	*Casualty Insurance.*
CHARLES L. ESCAVAILLE.	2127 Walbrook Av.	*Casualty Insurance.*
WILLIAM H. EVANS.	2117 Chelsea Av.	*Principles of Business.*
ZACCHEUS B. EVANS, JR.	900 E. Preston St.	*Political Economy.*
AMOS VINCENT FAIMANN.	2407 E. Madison St.	*Principles of Business.*
LOUIS G. FERNSNER.	522 N. Fulton Av.	*Casualty Insurance.*
PRESTON FIDDIS.	1849 W. North Av.	*Advertising.*
WILMER R. FILES.	1515 N. Wolfe St.	*Railway Accounting.*
DANIEL RAYMOND FINN.	720 E. 20th St.	*Business English.*
JOHN RIDGLEY FISHER.	2520 Maryland Av.	*Suretyship.*
C. W. FITZGERALD, JR.	1232 W. Lafayette Av.	*Commercial Law.*
HARRY V. FLEAGLE.	1922 E. 31st St.	*Elementary Accounting.*
SYLVAN K. FLEISHMAN.	3938 Park Heights Av.	*Current Economic Problems.*
HARRY T. FORD.	239 N. Milton Av.	*Business English.*
HENRY LEROY FORD.	805 Lennox St.	*Elementary Accounting.*
FRANK W. FORESTELL.	605 Bartlett Av.	*Casualty Insurance.*
REGINALD DAVID FORGAN.	St. Denis.	*Railway Accounting.*
JAMES EUGENE FORRESTER.	3822 Park Heights Av.	*Current Economic Problems.*
CHARLES T. FORSYTH.	1128 N. Gilmor St.	*Salesmanship.*
KATHRYN BOURNE FOSTER.	2838 E. Baltimore St.	*Business English.*
MARY MATILDA FOSTER.	2838 E. Baltimore St.	*Business English.*
FRANCIS MARION FOY.	3449 Old Frederick Rd.	*Investments.*
WILLIAM H. FRANK.	2305 Ruskin Av.	*Investments.*
MARGARET G. FRANKTON.	2135 Wilkens Av.	*Elementary Accounting.*
E. S. FREEMAN, JR.	2642 N. Charles St.	*Principles of Business.*
FRANK F. FULENWIDER.	4008 Maine Av.	*Casualty Insurance.*
ANNA MARIE FULLER.	2917 Guilford Av.	*Current Economic Problems.*
EARLE R. GABELER.	637 N. Fulton Av.	*Salesmanship.*
KATHRYN M. GAGE.	1905 N. Fulton Av.	*Salesmanship.*
J. STUART GALLOWAY.	217 E. 33rd St.	*Suretyship.*
JOHN P. GALVIN, JR.	1275 Battery Av.	*Investments.*
WILLIAM C. GANTT.	2200 Garrison Blvd.	*Casualty Insurance.*
DAVID GARBER.	2327 Mondawmin Av.	*Current Economic Problems.*
ROBERT B. GARRETT.	329 N. Carey St.	*Principles of Business.*
GERARD P. GASSINGER.	1707 E. 33rd St.	*Advertising.*
ALEXANDER GAWLIS.	1707 Poplar Grove St.	*Business Psychology.*

G. HARRY GEBB.	1709 N. Bentalou St.	*Salesmanship.*
BERNARD GEHRING.	Raspeburg.	*Salesmanship.*
HOWARD D. GERHARDT.	Parkville.	*Business Psychology.*
ACHSAH E. GIBSON.	3631 Elm Av.	*Current Economic Problems; Political Econ.*
FRANK CHARLES GIER.	3717 Springdale Av.	*Political Economy.*
GEORGE C. GILBERT.	1617 Ashburton St.	*Salesmanship.*
JOHN WILLIAM GILL.	1333 Sargeant St.	*Business Psychology.*
DONALD A. GILLUM.	3208 W. North Av.	*Casualty Insurance.*
HERMAN R. GINSBURG.	7 N. Montford Av.	*Current Economic Problems.*
LOUIS GINSBURG.	7 N. Montford Av.	*Salesmanship.*
EDWIN FISHER GISRIEL.	202 St. Martin Rd.	*Suretyship.*
MAURICE GLICK.	2066 Linden Av.	*Commercial Law.*
RUSSELL GLOCK.	501 N. Streeper St.	*Elementary Accounting.*
CALVIN H. GODDARD.	Johns Hopkins Hosp.	*Political Econ.; Commercial Law; Current Econ. Prob.; Business Statistics.*
JEROME GOODMAN.	2307 Whittier Av.	*Principles of Business.*
EUGENE GORDON.	2804 Overland Av.	*Political Economy.*
WALTER C. GORSUCH.	662 W. Franklin St.	*Suretyship.*
FRANKLIN GRAY GOUDY.	707 Arlington Av., Govans.	*Current Economic Problems.*
NOTLEY A. GOUDY.	Hamp're & Hamlt. Avs.	*Casualty Insurance.*
HARRY M. GRAFTON.	2503 Elsinor Av.	*Political Economy.*
HARRY GRANGER.	3843 Norfolk Av.	*Salesmanship.*
PHILIP GREISER.	3907 Fort Av.	*Business English.*
RUTH W. GRILL.	2916 Mosher St.	*Elementary Accounting.*
WALLACE R. GROTHAUS.	4609 Pimlico Rd.	*Business English*
SAMUEL MURTON GUILD.	1524 E. Biddle St.	*Casualty Insurance.*
THOMAS W. GULLEY, JR.	Park Heights Av.	*Investments.*
LOUIS PHILIP GUNDLACH.	1202 Riverside Av.	*Political Economy.*
JACK R. GUSTIN.	700 Woodbourne Av.	*Salesmanship.*
WILLIAM J. HAACKE.	1217 N. Eden St.	*Current Economic Problems.*
MICHAEL S. HAAS.	109 N. Ann St.	*Investments.*
DONALD EDWIN HAMMOND.	412 N. Hilton St.	*Salesmanship.*
JOHN A. S. HAMMOND.	Woodlawn.	*Business English.*
J. CUSTER HANDY.	1510 Madison Av.	*Investments.*
JOSEPH W. B. HANEKE.	1414 W. Mulberry St.	*Railway Accounting.*
ANNE E. HANKIN.	2204 W. North Av.	*Political Economy.*
RAYMOND J. HANLEY.	1117 Madison Av.	*Casualty Insurance.*
ELIZABETH BARNES HANNA.	Walbert Apartments.	*Political Economy.*

AVA K. HARLOW.	827 Hamilton Ter.	*Current Economic Problems.*
ROBERT EARL HARP.	418 N. Chester St.	*Salesmanship.*
MARY E. HARRINGTON.	112 E. 25th St.	*Elementary Accounting.*
M. FRANCIS HARRIS.	Parkville.	*Political Economy.*
HARTMAN K. HARRISON.	Cedar Av. & 40th St.	*Business Statistics.*
JOSEPHINE V. HARRISON.	1534 Park Av.	*Business English.*
ANNIE LAURIE HARRON.	McMinnville, Tenn.	*Advertising.*
JOHN R. HART.	2310 N. Calvert St.	*Elementary Accounting; Investments.*
HOWARD M. HARTGE.	3611 Cottage Av.	*Salesmanship.*
CHARLES FRANK HARVEY.	1418 W. Franklin St.	*Railway Accounting.*
CRAWFORD C. HASKELL.	902 St. Paul St.	*Current Economic Problems.*
DEWILTON W. HASLUP.	238 Wilson St.	*Salesmanship.*
MARION E. HAWES (Mrs.)	2206 Barclay St.	*Current Economic Problems.*
BORGE HEEDE.	Greenway Apartments.	*Business English.*
LEONARD E. HEHL.	Catonsville.	*Political Econ.; Current Economic Problems.*
AUGUST HERMAN HEISE.	2649 Edmondson Av.	*Elementary Accounting.*
EDWARD V. HEISKELL.	1223 North Calvert St.	*Elementary Accounting.*
MAURICE HEJNAL.	2110 E. Jefferson St.	*Current Economic Problems.*
CARL F. HELLAND.	3044 Abell Av.	*Commercial Law.*
W. EDGAR HELLDORFER.	2744 St. Paul St.	*Principles of Business.*
OTTO J. HELLWIG.	416 W. Pratt St.	*Investments; Political Economy.*
JOHN BEAL HELM.	1729 Hollins St.	*Principles of Business.*
RICHARD P. HENNEBERGER.	532 W. Franklin St.	*Commercial Law.*
OTTO J. HERGENROEDER.	1004 Ashburton St.	*Salesmanship.*
MARY M. HERBST.	11 Strathmore Av.	*Elementary Accounting.*
CHARLES E. HERGET.	1409 W. Lanvale St.	*Casualty Insurance.*
MELVIN HERMAN.	3119 E. Baltimore St.	*Advertising.*
EMANUEL S. HESS.	1900 Madison Av.	*Investments.*
GEORGE LITTLE HEWITT.	768 W. Cross St.	*Business English; Business Psychology.*
FRANK HIGINBOTHAM.	4200 Groveland Av.	*Salesmanship.*
ALBERT J. HILDEBRANDT.	1000 McCulloh St.	*Principles of Business.*
WM. DORSEY HINES.	2223 N. Calvert St.	*Salesmanship.*
HERMAN HIRZEL.	Howard & Pratt Sts.	*Business English.*
CHARLES W. HOFF.	2309 Eutaw Pl.	*Political Economy.*
J. R. HOFFERBERT.	5407 York Rd.	*Elementary Accounting.*
ROLAND K. HOKE.	Calvert Court Apts.	*Salesmanship.*

C. EARLE HOOPER.	1609 W. Fayette St.	*Business English.*
EVERETTE R. HOPKINS.	2436 Maryland Av.	*Principles of Business.*
IRVING LAWSON HORSEY.	101 E. 25th St.	*Salesmanship.*
JOHN H. HORST.	2901 Guilford Av.	*Commercial Law.*
MARY CUSHING HOWARD.	835 University Pkway.	*Current Economic Problems.*
PHILIP W. HOWARD.	835 University Pkway.	*Current Economic Problems.*
SIDNEY M. HOYT.	2845 N. Calvert St.	*Suretyship.*
HARRY N. HUMPHREYS, JR.	1050 N. Milton Av.	*Casualty Insurance.*
SIDNEY JOHN HYATT.	Ellicott City.	*Commercial Law.*
RAYMOND LEONARD JACOBS.	820 W. North Av.	*Principles of Business.*
WILLIAM B. JACOBSON.	436 Aisquith St.	*Current Economic Problems.*
JOHN BERNARD JAECKLEIN.	1013 E. Preston St.	*Salesmanship.*
JENNINGS C. JENKINS.	2618 N. Calvert St.	*Investments.*
NORMAN LESLIE JESSOP.	1850 W. Fayette St.	*Railway Accounting.*
WILLIAM W. JOHNSON.	2017 E. North Av.	*Business Psychology.*
GEORGE L. JONES.	3823 Barrington Rd.	*Railway Accounting.*
MINOR C. K. JONES.	Mt. Washington.	*Investments; Elementary Accounting.*
STANLEY W. JONES.	Forest Av., Arlington.	*Salesmanship.*
JOHN MORTIMER JOYCE.	716 Reservoir St.	*Advertising.*
R. NORMAN JOYNER.	2219 Linden Av.	*Casualty Insurance.*
CHARLES AUGUST KAISER.	2115 Callow Av.	*Salesmanship.*
CLEAMENS KARFGIN.	1332 N. Caroline St.	*Railway Accounting.*
ETHEL KARSCH.	1632 E. Fayette St.	*Business Psychology.*
W. E. KATENKAMP.	4006 Edmondson Av.	*Current Economic Problems.*
HILDA V. L. KATZ.	2214 Linden Av.	*Current Economic Problems.*
CHRISTIAN A. KEENE.	141 E. North Av.	*Current Economic Problems.*
OLA R. KEILHOLTZ.	1105 W. Lanvale St.	*Salesmanship.*
WILLIAM D. KELLEY.	4407 Groveland Av.	*Casualty Insurance.*
EDWIN SEYMOUR KELLOGG.	1006 Madison Av.	*Salesmanship.*
CHARLES V. KELLY, JR.	910 E. North Av.	*Elementary Accounting.*
LEMUEL J. KEMP.	Catonsville.	*Commercial Law.*
ARMAND KEMPER.	39 Talbot Rd.	*Investments.*
ELSIE KENNEDY.	728 N. Mount St.	*Advertising.*
JOHN KENNEDY.	1821 Presstman St.	*Railway Accounting.*
BENJAMIN F. KENNEY.	3516 Clifton Av.	*Current Economic Problems.*
DAVID FRANK KERN.	1208 Madison Av.	*Salesmanship.*

HERMAN KEUCHEN.	3609 Springdale Av.	*Principles of Business.*
THOMSON KING.	4018 Forest Park Av.	*Commercial Law.*
ERNESTINE A. KISSLING.	2311 Harlem Av.	*Commercial Law.*
THEO. J. KLAUENBERG.	Raspeburg.	*Business English.*
JOHN L. KLEIN.	Westport.	*Commercial Law.*
AGNES A. KLING.	4623 Park Hgts. Av.	*Elementary Accounting.*
CARROLL S. KLINGELHOFER.	Towson.	*Business Psychology.*
ADAM R. KNACHEL.	2 Tramore Av.	*Salesmanship.*
EDWARD R. KNAUFF.	Raspeburg.	*Business English.*
IRVIN CLIFTON KNOWLES.	710 E. 21st St.	*Current Economic Problems.*
BERNARD KOHN.	Rogers Av.	*Current Economic Problems.*
WILLIAM KRAMER.	1101 William St.	*Casualty Insurance.*
GEORGE N. KREPLEY.	2126 Maryland Av.	*Principles of Business.*
JOSEPH FRANCIS KRAUS.	1924 Ridgewood Av.	*Advertising.*
BERNARD KUDER.	2109 Brookfield Av.	*Political Economy.*
ADA KUFF.	2021 Pennsylvania Av.	*Political Economy.*
A. ESTELLE KUHL.	717 Reservoir St.	*Salesmanship.*
E. ELIZABETH LACHER.	806 Ridgely St.	*Elementary Accounting.*
EUGENE A. LANNON.	4025 Greenmount Av.	*Elementary Accounting.*
BENJAMIN LAPIDES.	3444 Park Hgts. Av.	*Advertising.*
THOMAS E. LARKIN.	Mt. Washington.	*Investments; Business Statistics.*
ESTHER LAZARUS.	2131 Callow Av.	*Current Economic Problems.*
JOSEPH D. LAZENBY.	1719 Park Av.	*Advertising; Business Psychology.*
VERNON E. LEAMANN.	603 Glenolden Av.	*Investments.*
L. CLAUDE LEATHERBURY.	208 E. Lafayette Av.	*Principles of Business.*
JOHN E. LEE.	1408 W. Lanvale St.	*Railway Accounting.*
RUDOLPH LEINEWEBER, JR.	1625 Federal St.	*Elementary Accounting.*
ELIAS MORGAN LEISTER.	1010 Warwick Av.	*Business English.*
IRVIN COFFRAN LEONARD.	1619 Ellamont St.	*Commercial Law.*
AUGUST LEVENE.	3301 Fairview Av.	*Salesmanship.*
CHARLES LINHARDT, JR.	344 N. Gwynn Av.	*Salesmanship.*
CAROLYN M. LINZ.	1002 Light St.	*Elementary Accounting.*
PAUL LIPNER.	1937 Orleans St.	*Business English; Principles of Business.*
TROLLA E. LUCIUS.	1707 Madison Av.	*Business English.*
J. ROANE LUMPKIN.	826 N. Carrollton Av.	*Commercial Law; Investments.*
GILBERT R. MACCUBIN.	1414 N. Broadway.	*Casualty Insurance.*
JOSEPH A. MACHECK.	2316 Ashland Av.	*Elementary Accounting.*

CHARLES O'D. MACKALL.	1325 Linden Av.	*Investments.*
ELMER J. MACLEOD.	Lansdowne.	*Casualty Insurance.*
JAMES MOSBY MAGRUDER.	304 W. Monument St.	*Salesmanship.*
EDWARD A. MAHER.	1202 Greenmount Av.	*Business English.*
KATHERINE H. MAHOOL.	311 Cathedral St.	*Business Psychology.*
BESSIE MALAR.	5914 York Rd.	*Business English.*
WILLIAM JAMES MALONE.	211 E. Lafayette Av.	*Investments.*
JAMES K. MANNING.	918 N. Calvert St.	*Suretyship.*
HONOLULU C. MANZER.	502 N. Carey St.	*Political Economy.*
JOHN U. MARKELL, JR.	Frederick.	*Elementary Accounting.*
WILLIAM C. MARKERT.	3026 Harford Av.	*Commercial Law.*
FRANK K. MARKLAND, JR.	100 S. Stricker St.	*Suretyship.*
MILDRED C. MARKLEY.	Raspeburg.	*Business English.*
WILLIAM H. MARSHALL, JR.	1605 N. Milton Av.	*Business English.*
GEORGE FREDERICK MAY.	3711 Edgerton Rd.	*Railway Accounting.*
GLEN C. MCCAHAN.	2315 Harlem Av.	*Commercial Law.*
HANNAH A. MCCARTHY.	2126 N. Calvert St.	*Commercial Law.*
GEORGE L. MCCONNELL.	921 Harlem Av.	*Salesmanship.*
GEORGE H. MCCREADY.	2842 St. Paul St.	*Current Economic Problems.*
JAMES B. MCCREARY.	625 Linhard St.	*Business English.*
VERONICA F. MCDONALD.	828 S. East Av.	*Business English.*
GLADYS G. MCGEE.	1720 Ashburton St.	*Business English.*
JOHN PERCY MCGINNIS.	816 William St.	*Commercial Law.*
THEODORE R. MCKELDIN.	615 W. Hamburg St.	*Political Economy.*
SCOTT ROBERTS MCLEAN.	625 E. 41st St.	*Salesmanship.*
JAMES F. MCMANUS.	Mt. Washington.	*Railway Accounting.*
JOSEPH P. MCNAMEE.	1413 Riverside Av.	*Railway Accounting.*
NORMAN ROGERS MCVEIGH.	Rognel Heights.	*Salesmanship.*
MARY E. MEEHAN.	Catonsville.	*Business Psychology.*
MAE MEETH.	603 Wellesley St.	*Political Economy.*
MABEL L. MENGES.	14 E. Franklin St.	*Business English.*
RUSSELL W. MERRIAM.	2101 Elsinor Av.	*Salesmanship.*
M. B. MERRILL.	2111 Brookfield Av.	*Business Psychology.*
BETTY MEUNE.	Gwyndale Av.	*Suretyship.*
MICHAEL MEYROWITZ.	2302 Callow Av.	*Principles of Business.*
LILLIAN S. MEZGER.	1501 W. Lanvale St.	*Advertising.*
H. OSBORNE MICHAEL.	2819 N. Calvert St.	*Political Economy.*
LAURA MILLER (MRS.)	811 N. Arlington Av.	*Business English.*
WILLIAM R. MILLER.	627 E. 34th St.	*Railway Accounting.*
FRANCES B. MITTLER.	1027 Bennett Pl.	*Commercial Law.*
EMILE R. MOHLER.	Catonsville.	*Commercial Law.*
EUGENE G. MOHLHENRICH.	512 Harwood Av., Gov.	*Business English.*
MAX MONARCH.	1713 E. Baltimore St.	*Political Economy.*

C. Earle Morris.	4317 Reisterstown Rd.	*Commercial Law.*
Michael Morris.	2509 Madison Av.	*Current Economic Problems.*
C. Francis Morrison, Jr.	1915 W. Lexington St	*Business English.*
David L. Morrison.	1504 Gough St.	*Salesmanship.*
Henry Hayles Morriss.	1904 Mt. Royal Ter.	*Salesmanship.*
Howard Isaac Moss.	5316 York Rd.	*Principles of Business.*
Roley T. Moyley (Mrs.)	1500 E. Oliver St.	*Advertising.*
Melvin J. Muhly.	4311 Maine Av.	*Principles of Business.*
Thomas Vernon Murphy.	32 N. Fulton Av.	*Casualty Insurance.*
G. Wallace Murray.	520 Park Av.	*Business Psychology.*
Omer H. Murray.	Forest Park.	*Business English.*
John L. Mussington.	3016 Windsor Av.	*Elementary Accounting.*
Morris Myers.	2117 Edmondson Av.	*Suretyship.*
Richard A. Myers.	1516 N. Broadway.	*Casualty Insurance.*
Melvin H. Naiman.	1731 Linden Av.	*Advertising.*
Charles Gordon Nelson.	2209 Roslyn Av.	*Casualty Insurance.*
Ida H. Neukomm.	318 E. 28th St.	*Advertising.*
Ida Neumann.	100 Evergreen Av.	*Current Economic Problems.*
Irving B. Newcomb.	3433 Guilford Ter.	*Advertising.*
Edward M. Newton.	2309 N. Charles St.	*Salesmanship.*
F. Joy Noland.	259 Robert St.	*Business English.*
C. Elmer Nolte.	18 S. Ellwood Av.	*Salesmanship.*
Ethel Morris.	110 E. 20th St.	*Current Economic Problems.*
G. Ellsworth Norris.	2916 Evergreen Ter.	*Investments.*
Clarence G. Norwood.	2300 Riggs Av.	*Casualty Insurance.*
Jerome W. Nusbaum.	1743 N. Carey St.	*Advertising; Salesmanship.*
Doris Katharyn Oberle.	Sparrows Point.	*Business English.*
Charles F. Obrecht.	112 Warren Av.	*Salesmanship.*
A. Seymour O'Brien.	3402 W. North Av.	*Business English; Elementary Accounting.*
Joseph O'Connell.	1421 Hollins St.	*Business Statistics; Commercial Law.*
J. Ignatius O'Keefe.	Park Heights Av.	*Salesmanship.*
Timothy F. O'Leary.	Catonsville.	*Elementary Accounting; Business English.*
Mary O'Neill.	114 W. Franklin St.	*Business English.*
Dorothy Otto.	726 N. Howard St.	*Current Economic Problems.*
Emily Owen.	4614 Reisterstown Rd.	*Casualty Insurance.*
Spencer C. Palmer.	648 W. Pratt St.	*Current Economic Problems.*

JOHN WALDO PARET.	206 E. 20th St.	*Salesmanship.*
ROSE FRIEDA PASS.	2122 Presbury St.	*Railway Accounting.*
EDWARD J. PAVLIK.	2200 E. Madison St.	*Principles of Business.*
WILLIAM E. PEIRSON.	Catonsville.	*Political Economy.*
KARL H. PELTZ.	405 N. Exeter St.	*Railway Accounting.*
JOSEPHINE PERETZ (Mrs.).	1904 E. Baltimore St.	*Political Economy.*
ALLEN J. PERRY.	406 Aisquith St.	*Advertising.*
MARGARET G. PERRY.	1137 N. Fulton Av.	*Commercial Law.*
CARL FREDERIC PETERS.	Riderwood.	*Polit. Economy; Current Econ. Problems.*
RICHARD J. PETERS.	723 N. Collington Av.	*Railway Accounting.*
LEE R. PETERSON.	Guilford Apts.	*Casualty Insurance.*
CELESTE PHILBIN.	3804 York Rd.	*Business English.*
BYRON STEVENS PHILLIPS.	3705 N. Charles St.	*Advertising.*
LOUISE E. PICKELL.	708 St. Paul St.	*Political Economy.*
R. DOUGLAS PISTEL.	869 Harlem Av.	*Salesmanship.*
WILLIAM DAVIS PITT.	Homewood Apts.	*Current Economic Problems.*
HYMAN E. PIVARNICK.	1136 S. Charles St.	*Salesmanship.*
EDGAR G. PLATT.	801 N. Fremont St.	*Business Psychology.*
GEORGE PLITT.	523 Ravenswood Av.	*Elementary Accounting.*
WILLIAM PLITT.	679 Columbia Av.	*Political Economy.*
EDITH D. POOLE.	2647 Francis St.	*Salesmanship.*
ROBERT F. PORTER.	Baldwin.	*Salesmanship.*
B. RANDOLPH POTTER.	3961 Greenmount Av.	*Commercial Law.*
C. H. POUMAIRAT, JR.	2623 N. Charles St.	*Salesmanship; Advertising.*
GEORGE C. PURCELL.	Belleville Av.	*Commercial Law.*
PAUL A. PURCELL.	1409 Poplar Grove St.	*Investments.*
ESTELLE R. PURDY.	Idlewylde, Towson.	*Elementary Accounting.*
EDWARD L. PUTZEL.	2428 Callow Av.	*Investments.*
C. M. QUARTLEY.	2113 Callow Av.	*Commercial Law.*
GEORGE G. RADCLIFFE.	Riderwood.	*Business Psychology.*
BURTON H. R. RANDALL.	241 W. Lanvale St.	*Suretyship.*
ELMER THEODORE RANDALL.	Marriotsville.	*Casualty Insurance.*
WAYNE L. RANDALL.	515 Fidelity Bldg.	*Suretyship.*
ALICE SHRIVER RECKERD.	3027 St. Paul St.	*Elementary Accounting.*
IRENE A. REDING.	402 S. Third St.	*Advertising.*
JOHN G. REESE.	3839 Clifton Av.	*Casualty Insurance.*
DONALD LEE REILLY.	408 E. 25th St.	*Casualty Insurance.*
HOWARD E. REIN.	1713 E. Eager St.	*Elementary Accounting.*
FLORENCE E. RHEA.	1014 Cathedral St.	*Business English.*
ROBERT LEE RHODES.	4108 Belvieu Av.	*Business English.*
WILLIAM A. RHODES.	2642 N. Charles St.	*Principles of Business.*

WESLEY HENRY RICE.	Essex.	*Principles of Business.*
EDWARD L. RICH, JR.	Catonsville.	*Investments.*
EDITH A. RICHARDS (Mrs.).	701 St. Paul St.	*Salesmanship.*
FRED R. RIEHL.	Mt. Washington.	*Casualty Insurance.*
HARRIET QUYNN RIGNEY.	1808 St. Paul St.	*Advertising.*
EDGAR R. RILEY.	2727 W. North Av.	*Casualty Insurance.*
WILLIAM M. RITTASE.	2702 Evergreen Ter.	*Salesmanship.*
GEORGE WILLIAM RITTER.	1951 W. Franklin St.	*Business Psychology.*
FRANK G. RIZER.	227 W. Monument St.	*Salesmanship.*
BESSIE H. ROBERTS (Mrs.)	408 Bretton Pl.	*Political Economy.*
REGINALD S. ROBINS.	3800 Edgerton Rd.	*Political Economy.*
JOSEPH R. ROBINSON.	1536 N. Fulton Av.	*Railway Accounting.*
JOSEPH JOHN ROCHLITZ.	1216 W. 28th St.	*Business English.*
ROSALIE CECILIA ROCHLITZ.	2804 Philadelphia Av.	*Business English.*
WILLIAM F. RODGERS.	312 Ilchester Av.	*Salesmanship.*
ANNA MATTSON ROEBUCK.	2306 E. Biddle St.	*Advertising.*
JAMES EDWARD ROGERS.	2123 Chelsea Av.	*Political Economy.*
HENRY HERMAN ROSCHEN.	Reisterstown.	*Business Psychology.*
SIDNEY ROSEN.	4209 Groveland Av.	*Advertising.*
J. HAROLD ROSENBLATT.	2317 Eutaw Pl.	*Current Economic Problems.*
MILDRED I. ROSIAK.	936 S. East Av.	*Political Economy.*
GROVER W. ROTH.	15 E. Fayette St.	*Principles of Business.*
R. H. ROYCE (Mrs.).	1734 St. Paul St.	*Advertising.*
ARTHUR C. RUBENSTEIN.	Sheffield Apts.	*Commercial Law.*
PAUL R. RUPERT.	3716 Springdale Av.	*Salesmanship.*
THEODORE E. RUPP.	3607 Foster Av.	*Business English.*
GEORGE J. RUPPERT.	1405 E. Biddle St.	*Elementary Accounting.*
CECIL DALE RYAN.	110 E. Preston St.	*Political Economy; Business Psychology.*
KATHERINE SAGAL.	1815 Linden Av.	*Political Economy.*
ROBERT E. SANDELL.	2616 N. Charles St.	*Current Econ. Problems; Commer. Law.*
WALTER R. SANDROCK.	2200 E. Hoffman St.	*Investments.*
FRANK SAUTER.	100 Rosemary Av.	*Salesmanship.*
SHELTON G. SAWYER, JR.	1746 Homestead St.	*Business English.*
WALTER SCHAAKE.	150 N. Luzerne St.	*Business English.*
HERBERT N. SCHISLER.	2105 Atlantic Av.	*Business English.*
EDWARD JOHN SCHMIDT.	343 S. East Av.	*Business English; Political Economy.*
LOUIS E. SCHMITT.	408 W. Saratoga St.	*Advertising.*
HARRY J. SCHNEIDER.	1305 E. Eager St.	*Principles of Business.*
FLORENCE H. SCHUBERT.	Pikesville.	*Political Economy.*
EDGAR ALLEN SCHULTZE.	1036 N. Collington Av.	*Advertising.*

IVAN L. SCHULZE.	2245 Eastern Av.	*Current Economic Problems.*
ELIZABETH EMMA SCHUTZ.	3835 Roland Av.	*Political Economy.*
HENRY SCHUTZ.	2582 W. Fayette St.	*Commercial Law.*
LENA SCHWARTZ.	136 N. Ann St.	*Business Psychology.*
JULIET M. SCOTT.	3140 Abell Av.	*Business English.*
MILLARD SCOTT.	1706 W. North Av.	*Elementary Accounting.*
JULIUS SCRIBA.	2117 W. Baltimore St.	*Business English.*
S. BERNARD SEABREEZE.	2816 E. Monument St.	*Investments.*
EDGAR R. SELTZER.	2105 St. Paul St.	*Business Psychology.*
WILLIAM H. SHAEFFER.	2608 Wilkens Av.	*Business English.*
IDA SHAROGRODSKY.	2223 Eutaw Pl.	*Current Economic Problems.*
MARIE MABEL SHAW.	1821 Whitmore Av.	*Investments.*
JOHN BROOKE SHEHAN.	336 E. 25th St.	*Salesmanship.*
EMORY C. SHIPLEY, JR.	Hamilton.	*Investments; Salesmanship.*
FRANK SHIPLEY.	Fidelity Trust Co.	*Commercial Law.*
CHARLES SHRAMEK, JR.	937 N. Dallas St.	*Casualty Insurance.*
FRANK SHRAMEK.	937 N. Dallas St.	*Suretyship.*
LEONARD A. A. SIEMS.	2745 Tivoly Av.	*Business English.*
A. LLOYD SIGMUND.	721 Lennox St.	*Investments.*
HARRY A. SILBERMAN.	Washington, D. C.	*Political Economy.*
LOUISE SILBERT.	2309 McCulloh St.	*Current Economic Problems.*
CHARLES VERNON SIMPSON.	2739 Fenwick Av.	*Casualty Insurance; Commercial Law.*
ETTA E. SMALLSBECK.	2212 Callow Av.	*Business English.*
ARTHUR H. SMITH.	613 N. Carey St.	*Business Psychology.*
ARTHUR EVERETT SMITH.	716 Reservoir St.	*Salesmanship.*
C. GERARD SMITH.	1405 Park Av.	*Current Economic Problems.*
EVELYN N. SMITH.	1213 S. Calhoun St.	*Business English.*
ROBERT A. SMITH.	1033 W. Lanvale St.	*Advertising.*
ROLAND FREDERICK SMITH.	2026 E. Eager St.	*Investments.*
JESSE VIRGIL SMYTHE.	2732 E. Baltimore St.	*Railway Accounting.*
ANDREW C. SOEDER.	N. Monroe St.	*Commercial Law.*
ROBERT H. SOMMERWERCK.	627 E. Melville Av.	*Casualty Insurance.*
EMERSON DAIL SPEDDEN.	2908 Mosher St.	*Business English.*
WILLIAM C. SPEED, JR.	107 E. 25th St.	*Casualty Insurance.*
WEBSTER L. SPENCER, JR.	4707 N. Charles St.	*Business English; Elementary Accounting.*
JOHN ALLEN SPITTEL.	643 Portland St.	*Casualty Insurance.*
RICHARD S. STANSBURY.	2007 Ridgewood Av.	*Investments.*

GEORGE F. STANTON.	138 Rochester Pl.	*Advertising.*
GIDEON H. STEFFEY.	3519 Falls Rd.	*Current Economic Problems.*
ELMER S. STEHMAN.	1801 St. Paul St.	*Salesmanship.*
EDWIN DONALD STEIN.	3111 Abell Av.	*Business Psychology; Political Economy; Salesmanship.*
B. CHARLES STEPHANY.	Seville Apts.	*Investments.*
JAMES K. STEUART.	Ten Hills.	*Investments.*
CORA STIRN.	2 N. Ashburton St.	*Commercial Law.*
MARTIN H. STOUT.	927 N. Pat'rs'n Pk. Av.	*Railway Accounting.*
JOHN HENRY STRAUCH.	913 N. Fremont Av.	*Business English.*
JOHN FREDERICK STROTT.	1014 Druid Hill Av.	*Political Economy.*
RICHARD HOWARD STROTT.	700 Evesham Av., Gov.	*Investments.*
THOMAS B. SUMMERS, JR.	624 N. Fulton Av.	*Salesmanship.*
CLINTON C. SUTTON.	1820 N. Caroline St.	*Casualty Insurance.*
FRANKLIN W. SUTTON.	1735 Bolton St.	*Investments.*
LOUIS ISAAC SWIMMER.	2309 Whittier Av.	*Principles of Business.*
CORA V. TAMES.	5304 Harford Rd.	*Elementary Accounting.*
ADAM MILLER TAYLOR.	4204 Groveland Av.	*Railway Accounting.*
CRAIG E. TAYLOR.	1504 N. Montford Av.	*Business Psychology; Advertising.*
HERBERT M. TAYLOR.	3210 Walbrook Av.	*Principles of Business.*
JAMES C. TAYLOR.	2847 Huntingdon Av.	*Salesmanship.*
GLADYS COLTON TEBBS.	1019 N. Calvert St.	*Salesmanship.*
LUCY CLARKE THAYER.	726 N. Howard St.	*Current Economic Problems.*
HARRY EMORY THOMAS.	314 Collins Av.	*Casualty Insurance.*
EDWARD M. THOMAS.	1007 Cathedral St.	*Commercial Law.*
PAUL BOHER THOMAS.	818 Park Av.	*Business Statistics.*
RALPH S. THOMPSON.	2901 Windsor Av.	*Business Psychology.*
RUTH TINGLEY.	64 Roland Av.	*Political Economy.*
ALGER P. TITTSWORTH.	3025 Brighton St.	*Elementary Accounting.*
CLARA SURRATT TONRY.	1705 N. Pulaski St.	*Commercial Law.*
EDITH IRENE TRAIL.	2817 Parkwood Av.	*Principles of Business.*
ROLAND G. TRAUTMANN.	4036 Kate Av.	*Railway Accounting.*
MARY R. TRAVERS.	Idlewylde, Towson.	*Elementary Accounting.*
IDA M. TROTT.	1224 Rankin Pl.	*Advertising.*
EDWARD KEMP TROUPE.	Relay.	*Salesmanship.*
RALPH FREDERICK TRUITT.	2811 Norfolk Av.	*Business English.*
JOSEPH R. TYRRELL.	2645 Harlem Av.	*Political Economy.*
ARTHUR G. VAN NESS.	Hamlyn Apts.	*Investments.*
SIDNEY F. VEALE.	307 Woodlawn Rd.	*Business Psychology.*
C. LOUIS VERLEGER.	223 N. Kenwood Av.	*Salesmanship.*

ALFRED C. VER VALEN.	4312 St. Paul St.	*Salesmanship; Principles of Business; Business Psychology.*
WILLIAM H. VICKERS.	2913 Guilford Av.	*Current Economic Problems.*
F. M. VON PLANTA.	1511 Mt. Royal Av.	*Commercial Law.*
HERBERT H. VON WACHTER.	1 N. Monroe St.	*Political Economy.*
JOHN CLIFFORD VORWERCK.	1628 Hollins St.	*Railway Accounting.*
CHARLES C. WACKER.	Rognel Heights.	*Business Statistics.*
CHARLES HENRY WAGNER.	2408 N. Calvert St.	*Current Economic Problems.*
FRANCIS H. WALDMAN.	29 N. Hamilton Av.	*Commercial Law.*
A. C. WALLACE.	23 N. Broadway.	*Business English.*
FREDERICK G. WALTERS.	Central Y. M. C. A.	*Advertising.*
DOROTHY MILDRED WALTON.	3202 Brighton St.	*Business English.*
EVERETT LAUMAN WARNER.	Pikesville.	*Commercial Law.*
VIRGINIA IRENE WARREN.	2702 Parkwood Av.	*Salesmanship; Political Economy.*
OLIVER F. WASKEY.	2402 Reisterstown Rd.	*Salesmanship.*
PHILIP EDWARD WATTS.	Pikesville.	*Salesmanship.*
ISIDOR S. WEINBAUM.	1926 Eutaw Pl.	*Principles of Business.*
BESSIE WEINBERG.	2315 Callow Av.	*Advertising.*
EVA WEISBLATT.	1405 Linden Av.	*Business Psychology.*
J. NEWTON WELLER.	2411 Barclay St.	*Investments.*
MORGAN CROMWELL WELLS.	2919 Guilford Av.	*Business Statistics.*
WARNER W. WELSH.	300 E. 31st St.	*Salesmanship.*
OTTO WENZING.	2642 Harlem Av.	*Commercial Law.*
FRANCIS EDWARD WHEELER.	1806 Park Av.	*Business English.*
EUGENE JOSEPH WHELTLE.	49 S. Fulton Av.	*Casualty Insurance.*
IRVING CHARLES WHITE.	230 S. Highland Av.	*Railway Accounting.*
DULANY WHITING.	211 Goodwood Gardens.	*Investments.*
EDWARD LOUIS WIENEFELD.	426 E. North Av.	*Salesmanship.*
FRANCIS B. WIERS.	16 E. Lanvale St.	*Business English.*
ALEXANDER B. WILKIE.	5107 Whiteford Av.	*Casualty Insurance.*
ETHEL K. WILKINSON.	2307 Maryland Av.	*Casualty Insurance.*
PAUL J. WILKINSON.	3032 Walbrook Av.	*Suretyship.*
EDWARD S. WILLIAMS.	2615 Oswego Av.	*Investments.*
GRACE MARIAN WILLIAMS.	5008 Woodlawn Rd.	*Business English.*
DOROTHY WILLIAMSON.	417 E. 31st St.	*Business English.*
ROGER R. WILSON.	334 E. 20th St.	*Business English.*
R. H. WILSON.	1623 Belt Av.	*Railway Accounting.*
J. ERNEST WIMMER.	534 N. Fulton Av.	*Elementary Accounting.*
RITA S. WINKELMAN.	207 Woodlawn Rd.	*Salesmanship.*
ALVIN A. WINSHIP.	229 E. 33rd St.	*Business Psychology.*

JAMES WALTER WINTZ.	1127 Brentwood Av.	*Business English.*
BLANCHE F. WITTICH.	2011 Homewood Av.	*Salesmanship.*
LAURA ADINA WOODWARD.	1702 St. Paul St.	*Casualty Insurance.*
JOHN A. WORTHINGTON.	Annapolis.	*Principles of Business.*
CHARLES EDWARD WRIGHT.	1704 Barnes St.	*Suretyship.*
KENNETH T. WRIGHT.	704 Newington Av.	*Elementary Accounting.*
DORIS A. WUSTER (Mrs.)	1813 W. Saratoga St.	*Elementary Accounting.*
MORGAN ALFRED WUSTER.	1813 W. Saratoga St.	*Casualty Insurance.*
ARTHUR R. WYATT.	Reisterstown.	*Current Economic Problems.*
HENRY EISEMAN WYMAN.	Emersonian Apts.	*Elementary Accounting.*
LOUIS YOUNG.	1804 E. 28th St.	*Commercial Law; Principles of Business.*
EDWARD G. YOUREL.	2940 Harlem Av.	*Salesmanship.*
GEORGE F. YURSIK.	1904 Oak Hill Av.	*Elementary Accounting.*
FRANCIS W. ZEIGLER.	3100 Walbrook Av.	*Elementary Accounting.*
FRANK ZIMMERMAN.	Ken Oak & P'm'co Rds.	*Political Economy; Salesmanship.*
MADALINE T. ZORBACH.	2809 E. Jefferson St.	*Advertising.*

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STUDENTS REGISTERED IN 1920-21 TOO LATE FOR INCLUSION IN THE REGISTER FOR THAT YEAR

CLARENCE A. BURTON.	Fullerton.	*Money and Banking.*
WILLIAM DARNALL.		*Suretyship; Business Practice.*
HENRY W. KELLEY.	New Howard Hotel.	*Suretyship; Current Economic Problems.*
NELLIE L. O'CONNELL (Mrs.)	1217 Madison Av.	*Commercial Geography.*
W. HOLTON PARR.		*Suretyship.*
CATHERINE SAGAL.		*Industrial Relations.*
W. R. WATSON, JR.		*Political Economy.*

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IX. ATTENDANTS ON NIGHT COURSES FOR TECHNICAL WORKERS

MATHEMATICS 1–N

(Plane Trigonometry; Elements of Calculus)

HARRY BAHEL.	619 E St., Sprws. Pt.	*Topo. Survey Comm.*
WILLIAM BROOKS.	212 E St., Sprws. Pt.	*Topo. Survey Comm.*
GEORGE F. CHENOWITH.	1927 W. Lombard St.	*United Railways Co.*
EDWARD B. COLBURN.	1206 John St.	*Cons. Gas & Elec. Co.*
FRANK EISINGER.	613 E. 35th St.	*United Railways Co.*
C. E. FALCONER.	Central Y. M. C. A.	*Balt. & Ohio R. R.*
GEORGE W. FOARD.	2002 Robb St.	*Poole Eng. & Mach. Co.*
ROBERT F. GRETZNER.	605 E. 33rd St.	*Balt. & Ohio. R. R.*
ADAM F. HUTHWELKER.	218 N. Greene St.	*United Railways Co.*
FRANK KAISS, JR.	Lansdowne.	*Pangeborn Corp., Hagerst'n.*
L. W. KAUFFMAN.	Central Y. M. C. A.	*Penna. Water & Power Co.*
HENRY A. KINLEIN.	1311 N. Eden St.	*Central Fire Ins. Co.*
DANIEL KLINE.	812 W. 37th St.	*Poole Eng. & Mach. Co.*
CHARLES E. O'HARA.	2057 Woodberry Av.	*Wm. E. Hooper & Sons Co.*
J. W. ORCUTT.	Curtis Bay.	*U. S. Army.*
WILLIAM N. PURDY.	1006 E. Federal St.	*United Railways Co.*
HENRY M. REIER.	Glenarm.	
W. P. SCHNABEL.	3230 Eastern Av.	
GEORGE F. SEAY.	Sparrow's Point.	*Topo. Survey Comm.*
GEORGE S. SHAFFER.	1734 Darley Av.	*Cons. Gas & Elec. Co.*
MILTON L. SPILMAN.	3035 Arunah Av.	*United Railways Co.*
LESTER C. ST. CLAIR.	2415 Barclay St.	*Balt. & Ohio R. R.*
LEO C. SWEENEY.	101 E. 33rd St.	
FREDERICK G. THOMSON.	203 E. North Av.	*Stone & Webster, Inc.*
JAY B. TRACY.	Woodlawn.	*H. F. Doelman, Cons. Engr.*
WILLIAM O. TYDINGS.	3530 Roland Av.	*United Railways Co.*
JOSEPH H. ZIMMERMAN.	2144 Walbrook Av.	*E. V. Coonan & Co.*

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CHEMISTRY 1–N

(General Inorganic Chemistry

P. D. BOWEN.	1 Queen Anne's Rd.	*Poor & Alexander*
CYRIL CASSIDY.	1700 N. Fulton Av.	*Standard Oil Co.*
B. W. ELLIS.	1047 N. Milton Av.	*City Health Laboratory*

DOROTHY R. B. FINLEY.	9 E. Biddle St.	*Med. Sch., J. H. U.*
EDWARD A. GARLOCK.	1309 N. Calvert St.	[*Lectures only*]
J. A. GREIL.	1600 E. Oliver St.	*Balt. & Ohio R. R.*
JAMES B. HIGGINS.	8 E. Franklin St.	
CHARLES W. L. HUTTON.	Govans.	*Hendler Creamery Co.*
P. I. LEARY.	536 Richmond Av.	*Lee E. Hartman & Co.*
JOHN T. LOVE, JR.	Riderwood.	*Black & Decker.*
F. J. MCNEIL.	Fort McHenry.	*U. S. Bureau Pub. Health.*

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CHEMISTRY 2—N

(*Qualitative and Quantitative Analysis*)

LILLIAS ALEXANDER.	3418 Edmondson Av.	*J. S. Young Co.*
ALBERT BLAINE.	1223 Linden Av.	*Crown Cork & Seal Co.*
JAMES A. CULLEN.	1632 Broadway.	*Public Serv. Comm.*
HAROLD J. DAVIS.	3521 Old York Rd.	
ROBERT D. DINSMORE.	3512 Springdale Av.	*H. N. Dinsmore Co.*
JOHN B. EPPLER.	2803 Roslyn Av.	*John Eppler Co.*
DEWEY S. FRITZ.	Owings Mills.	*The Dairy Laboratories.*
J. M. JASINSKI.	718 N. Milton Av.	*The Hub*
FRANKLIN E. JOHNSON.	638 W. 37th St.	*Cons. Gas. & Elec. Co.*
WALTER B. MANGELS.	139 Montebello Av.	*W. C. Robinson & Sons Co.*
RUDOLF W. MANN.	871 Harlem Av.	*Mutual Chem. Co.*
ALBERT F. METZGER.	3922 Lloyd Av.	*Baugh Chem. Co.*
IRMA E. MOHR.	2035 W. Balt. St.	*Family Welfare Assn.*
J. W. ORCUTT.	Curtis Bay.	*U. S. Army.*
MICHAEL PUSATERI.	1111 N. Central Av.	*Cons. Gas & Elec. Co.*
LEONARD L. PUTZKER.	149 N. Exeter St.	*Fulton Distributing Co.*
J. CURTIS SLOCUM.	3012 E. Pratt St.	*Balt. Copper Co.*
C. E. WILLOUGHBY.	900 Woodley St.	*Balt. Poly. Inst.*

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CHEMISTRY 3—N

(*Organic Chemistry*)

J. ELWOOD ARMSTRONG.	2410 E. Hoffman St.	*Tin Decorating Co. of Balt.*
HAROLD J. DAVIS.	3521 Old York Rd.	[*Lectures only*]
FANNIE L. ELBON.	114 W. Franklin St.	*Musher & Co.*
J. GORDON FITZGERALD.	1445 Riverside Av.	
MILDRED A. JOHNSON.	2064 Kennedy Av.	*Balt. Copper Co.*
GEORGE A. LENTZ.	1241 Battery Av.	*International Co.*
CHARLES S. MASON.	3566 Poole St.	*International Co.*

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CIVIL ENGINEERING 1–N

(*Theory of Structures*)

ALPHONSE ALCARESE.	813 Low St.	*Topo. Survey Comm.*
FORREST I. CRONKHITE.	1129 Poplar G've St.	*Balt. & Ohio R. R.*
THEODORE E. DRUMMOND.	2108 Mt. Royal Ter.	*Western Electric Co.*
RAYMOND P. ECKER.	515 Ridge Av.	*Stone & Webster*
JOHN G. EGGEN.	1896 N. Calvert St.	*Topo. Survey Comm.*
C. EDWIN FITZELL.	Central Y. M. C. A.	*Topo. Survey Comm.*
CHARLES A. FRAINIE.	3712 Forest Park Av.	*Frainie Bros & Haigley*
CARL W. HEFFLIN.	2718 N. Calvert St.	*Balt. & Ohio R. R.*
WILLIAM KAUFHOLZ.	1114 N. Patterson Park Av.	*Western Md. R. R.*
JOHN J. KIRCHNER.	27 Woodlea Pl.	*Camp Holabird*
ALVIN C. LOEWER.	807 Gorsuch Av.	*Cons. Gas & Elec. Co.*
GORDON L. O'BRIEN.	308 N. Fulton Av.	*Topo. Survey Comm.*
ARTHUR P. SHANKLIN, JR.	916 N. Calvert St.	*Topo. Survey Comm.*
MERRICK G. SHAWE.	1714 John St.	*Highways Dept.*
MILTON O. STORM.	606 Evesham Av.	*Balt. & Ohio R. R.*
ROBERT J. TRAUTMAN.	1737 N. Patterson Park Av.	*Balto. Car & Foundry Co.*
CHARLES W. WALTER.	2214 E. Chase St.	
EDMUND B. WARD.	1418 N. Bond St.	*Consolidated Eng. Co.*
W. ANDREW WEISE.	109 Augusta Av.	*Thomas Machen Co.*
HOWARD C. WILL.	York Rd. & Burke Av.	*Bartlett-Hayward Co.*

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CIVIL ENGINEERING 2–N

(*Structural Engineering*)

WILLIAM T. CLISHIAM.	1509 Belt St.	*Dietrich Bros.*
ISADORE M. COHEN.	714 Hanover St.	*Water Dept.*
JOHN K. CROSS.	713 Homestead St.	*John H. Cross & Son*
PAUL G. CROUT.	2307 Barclay St.	*Herman F. Doelman*
CHARLES M. FITZPATRICK.	2419 N. Calvert St.	*Bethlehem Steel Co.*
THOMAS J. HAGNER.	2116 E. Biddle St.	
HUGO E. KUEHN.	3421 Piedmont Av.	*Prudential Oil Corp.*
HERMAN G. MASER.	1513 E. North Av.	*Bartlett-Hayward Co.*
E. HALL NEAVITT.	2422 Ellamont St.	*J. E. Greiner & Co.*
KENNETH W. PAXTON.	2839 Parkwood Av.	*Dietrich Bros.*
KENNETH P. TEBO.	1812 W. Lexington St.	*Sewer Div.*
JOHN W. WOLCOTT, JR.	725 Lennox St.	*Cons. Gas & Elec. Co.*
JAMES H. WOODALL.	2404 N. Charles St.	*Armstrong & Parker*

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CIVIL ENGINEERING 3–N

(*Reinforced Concrete Construction*)

ROWLAND L. BORTNER.	102 E. Belvedere Av.	*Penna. Water & Power Co.*
SANTI J. CATANESE.	1126 Orleans St.	*Water Dept.*
HOWARD L. CRANDALL.	English Consul Est.	*Chesapeake Iron Works.*
ALFRED W. CRISWELL.	1710 W. Pratt St.	*Topo. Survey Comm.*
HERBERT V. DISNEY.	1928 McHenry St.	*Harbor Board.*
JOSEPH C. DYAS.	416 Whitridge Av.	*Chas. L. Stockhausen & Co.*
DONALD H. GOLDSBOROUGH.	1904 Homewood Av.	*Water Dept.*
ALBERT J. GROSHANS.	4506 Laurette Av.	*Cons. Gas & Elec. Co.*
GEORGE VERNON HOBBS.	3546 Poole St.	*Mt. Vernon Woodberry M'ls*
EDWARD H. IRELAND.	913 N. Payson St.	*Baltimore Copper Co.*
EDWARD B. KLOPPEL.	316 E. North Av.	*Central Fire Ins. Co.*
FREDERICK J. LINDAUER.	1903 Harlem Av.	*Water Dept.*
JOSEPH B. MILLER.	1302 W. Saratoga St.	*Topo. Survey Comm.*
LOUIS PLUMER.	410 S. East Av.	*Topo. Survey Comm.*
LEROY V. SCHUERHOLZ.	1507 S. Charles St.	*Bureau of Drafting.*
C. CLAYTON SINGLETON.	2203 Poplar Grove St.	*Balt. Poly. Inst.*
JOHN M. C. VAN HULSTEYN.	1304 John St.	*Water Dept.*

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ELECTRICAL ENGINEERING 1–N AND 2–N

(*Elements of Electricity and Magnetism and Direct Current Machinery*)

LEROY W. ADLER.	501 N. Robinson St.	*H. E. Crook.*
ADAM K. BACKER.	3729 North Rd.	*Cons. Gas & Elec. Co.*
WILLIAM H. BANES.	319 E. 24th St.	
L. STANLEY BEER.	1216 Mt. Royal Av.	
FORREST A. BERWAGER.	2808 Huntingdon Av.	*Cons. Gas & Elec. Co.*
JOHN F. L. BOEHNE, JR.	1042 W. Barre St.	*Cons. Gas & Elec. Co.*
J. ELLIS BRADY.	2023 Maryland Av.	*John B. Adt Co.*
FRANK G. BUCK.	1321 N. Gilmor St.	*Penna Water & Power Co.*
LLOYD CHALKER.	1729 Pennington Av.	*U. S. Ind. Chem. Co.*
HARRY COHEN.	5005 Beaufort Av.	*Stone & Webster Co.*
STEPHENSON J. DUHAN.	211 N. Port St.	*John S. Dobler*
MELVIN W. EMBURY.	Pk. Hgts. & Belmont	*Maass & Kemper*
BERNARD ETOWSKI.	2712 Orleans St.	*E. I. Rosenfeld Co.*
DONALD D. FREEMAN.	2442 N. Calvert St.	*Cons. Gas & Elec. Co.*
CHARLES H. GAUSS.	2402 E. Fayette St.	*Penna. Water & Power Co.*
LOUIS R. C. GLASHOFF.	51 Powell Av.	*Pennsylvania R. R.*
MALCOLM K. GORDON, JR.	105 N. Carey St.	
NORMAN E. GREEN.	645 N. Fulton Av.	*General Electric Co.*
PERRY E. HOOVER.	518 Franklin Ter.	*Cons. Gas & Elec. Co.*

JOHN T. HUCHT.	1705 N. Carey St.	*Union Credit Rep. Co.*
MARTY J. JURAS.	2023 Bank St.	*E. I. Rosenfeld Co.*
LEROY MCNEILL.	725 N. Milton Av.	*Fields Electric Co.*
ARTHUR E. MORMAN.	5211 Eleanora Av.	*General Electric Co.*
ROBERT C. MORROW.	1013 Md. Tr. Bldg.	*Locke Insulator Corp.*
HOWARD H. O'DAY.	1706 Warwick Av.	
FRANK R. O'NEILL.	808 N. Payson St.	*United Railways Co.*
JOSEPH PERZYNSKI.	3219 O'Donnell St.	
RUDOLPH A. POOLE.	Colgate.	*Cons. Gas & Elec. Co.*
WALTER E. PRICE.	46 E. 26th St.	*U. S. Ind. Alcohol Co.*
LOUIS H. REITZ.	1806 W. Franklin St.	*H. Eiscrt.*
ELMER RICHARDSON.	1035 Harford Av.	*Cons. Gas & Elec. Co.*
EDMUND O. SCHAEFFER.	1702 W. Lanvale St.	*United Railways Co.*
WILBER L. SCHWARTZ.	2008 W. Fayette St.	*G. W. Walther & Co., Inc.*
J. B. SKELLY.	716 E. 41st St.	*S. B. Prather & Co.*
JOHN SKRUPSKI.	1703 E. Lombard St.	*Broadway Elect. Co.*
H. F. SUIT.	1815 N. Charles St.	*United Railways Co.*
WILLIAM B. TILGHMAN.	1037 Hanover St.	*Bethlehem Steel Co.*
E. M. UNDERWOOD.	719 W. 36th St.	*Fairbanks-Morse Co.*
HERBERT R. UNDERWOOD.	2917 Edmondson Av.	*Cons. Gas & Elec. Co.*
WILLIAM H. VOHS.	609 N. Robinson St.	*Warfield Elec. Co.*
CLARENCE L. WALTER.	29 S. Calhoun St.	*Cons. Gas & Elec. Co.*
ROBERT E. WHIPP.	927 Montpelier St.	*Western Elec. Co.*
NORMAN L. WILSON.	702 Columbia Av.	*Cons. Gas & Elec. Co.*
W. RAYMOND WILSON.	219 W. Woodland Av.	*Wilson Elec. Co.*
KARL E. WOLF.	2698 St. Benedict St.	*Cons. Gas & Elec. Co.*

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ELECTRICAL ENGINEERING 3–N

(*Elementary Alternating Current Theory and Machinery*)

ROBERT L. ADAMS.	1648 N. Bentalou St.	*United Railways Co.*
PEDRO A. ALEJOS.	5011 Elmer Av.	*Stone & Webster Inc.*
R. H. ALBERS.	1106 S. Third St.	
FOSTER N. BAKER.	2841 W. North Av.	
MILTON J. BISHOP.	35 Woodlea Av.	*Continental Can Co.*
FORREST N. BROWN.	1814 Linden Av.	*United Railways Co.*
WALTER W. CALARY.	1667 Darley Av.	*Nat'l Ship Supply Co.*
A. E. COURTS.	4324 Ready Av.	*United Railways Co.*
JAMES W. ENGLE.	3027 St. Paul St.	*Camp Meade.*
LEONARD C. FLEISCHMANN.	Fairfield Av.	*General Chem. Co.*
JOSEPH GIAMPAOLI.	Elkridge.	
MORGAN S. GIBSON.	100 W. Woodland Av.	*United Railways Co.*
T. TALBOT GORSUCH.	208 E. 20th St.	*Internal Revenue Office.*
HENRY B. GREENWOOD.	Glenarm.	*F. X. Hooper Co., Inc.*

R. Aylor Grubbs.	4 N. Carey St.	*Amer. Dist. Tel. Co.*
Lewis R. Heise.	108 E. North Av.	*General Elec. Co.*
E. K. Henry.	1901 W. North Av.	*Bethlehem Shipbldg. Corp.*
Frank M. Herring.	815 N. Stricker St.	*United Railways Co.*
Charles H. Hinkle.	3931 Phila. Rd.	*Penna. Water & Power Co.*
S. R. Holmes.	344 W. 30th St.	*United Railways Co.*
Frederick H. Jenkins.	415 E. 21st St.	*Balt. Paper Box Co.*
Daniel J. Lane.	1620 Appleton St.	*Victoria Theatre*
Kenneth W. Lautenbach.	2325 W. Lanvale St.	*C. & P. Telephone Co.*
J. Vernon Letmate.	710 N. Appleton St.	*Southern Electric Co.*
James Magruder.	26 N. Bentalou St.	*Cons. Gas & Elec. Co.*
William Mannion.	1314 Hollins St.	*Cons. Gas & Elec. Co.*
Mayport P. Miller.	3423 Reisterst'n Rd.	*Westinghouse Co.*
Chester A. Morrison.	2703 W. North Av.	*Reiner, Beck & Stewart, Inc.*
Morgan C. Naudain.	Sparrows Point.	*Bethlehem Shipbldg. Corp.*
Richard Otenasek.	829 N.Washington St.	*Holmes Elec. Co.*
John A. Pledge.	1819 W. North Av.	*Topo. Survey Comm.*
Arthur Schoenfeld.	1700 N. Smallw'd St.	*Blumenthal-Kahn Elec. Co*
William L. Schneider.	911 N. Eutaw St.	
Charles Schramek.	809 N. Port St.	
George S. Shaffer.	1734 Darley Av.	*Cons. Gas & Elec. Co.*
Richard G. Shanklin.	916 N. Calvert St.	*Cons. Gas & Elec. Co.*
Harry E. Sparhawk.	1017 N. Monroe St.	*United Railways Co.*
A. C. Spencer.	2222 Lyndhurst Av.	*Cons. Gas & Elec. Co.*
Frederick C. Stauffen.	3614 York Rd.	*Union Shipbldg. Co.*
Frank G. Taubenheim.	414 E. 22nd St.	*City Sewer Division.*
Edward P. Teale.	605 Evesham Av.	*Amer. Tel. & Tel. Co.*
Elmer R. Uzzell.	429 Yale Av.	*C. & P. Telephone Co.*
George R. Walter.	1 S. Garrison Av.	*Cons. Gas & Elec. Co.*
J. Allen Weaver.	2100 N. Calvert St.	*United Railways Co.*
George S. Woodrow.	3313 Gywnn Oak Av.	*General Chem. Co.*
R. H. Young.	1509 Linden Av.	*Mt. Vernon-Woodberry M'ls*

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MECHANICAL ENGINEERING 1–N

(*Machine Design*)

Frederick H. Barnes.	2002 Guilford Av.	*General Elec. Co.*
John H. Barron, Jr.	3022 Abell Av.	*Black & Decker Co.*
G. Cheston Carey.	1004 Cathedral St.	*Carey Mach. & Supply Co.*
John Di Eugenio.	629 N. Duncan St.	*Universal Mach. Co.*
F. William Duhan.	211 N. Port St.	*Universal Mach. Co.*
A. F. Dunnigan.	619 N. Luzerne Av.	*Annapolis Public Utilities.*
John B. Eppler.	2804 Roslyn Av.	*John Eppler Co.*
Leon J. Greenbaum.	2811 Rockrose Av.	*Bethlehem Shipbldg Corp.*

S. Richard Malan.	900 S. Paca St.	*City Hall.*
Joseph T. Mrazek.	2000 E. Ashland Av.	*City Hall.*
George Oeh.	805 S. Bouldin St.	*Central Foundry Co.*
John H. Powers, Jr.	2102 Poplar Grove St.	*American Ice Co.*
Charles L. Rohde.	3212 Eastern Av.	*Theo. H. Rohde Co.*
Chester E. Rutherford.	1524 Ellamont St.	*J. H. School of Hygiene*
Leslie A. Stewart.	204 Wyndhurst Av.	*Balt. D. D. & Shipbldg. Co.*
Reginald A. Stewart.	204 Wyndhurst Av.	*Balt. D. D. & Shipbldg. Co.*
William T. Tyler.	111 N. Glover St.	*Topo. Survey Comm.*
Clyde Wilson.	811 Woodward St.	*Steinmetz Motor Co.*
Alvin A. Winship.	229 E. 33rd St.	*Water Dept., Baltimore*

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MECHANICAL ENGINEERING 2–N

(*Heat Engines*)

W. S. Allen.	726 E. 41st St.	*Cons. Gas & Elec. Co.*
Frederick Gebhardt.	Spr'gfld State Hosp.	*Sykesville*
Henry H. Gossman.	23 N. Milton Av.	*Hentschel Mach. Co.*
John H. Hamman.	2109 E. Lafayette Av.	*Chatard & Norris*
John Eager Howard.	1439 Mt. Royal Av.	*Cons. Gas & Elec. Co.*
G. Calder Little.	15 Midship Rd.	*Bethlehem Steel Co.*
Harry N. Reese.	2637 Oak St.	*United Railways Co.*
Thomas J. Schreiber.	340 Ilchester Av.	*U. S. Ind. Chemical Co.*
W. Raymond Schuman.	1508 Riverside Av.	*W. S. Cahill & Co.*
Stuart R. Tyler.	2124 E. Pratt St.	*Tin Decorating Co.*
Herman A. Von Eiff.	2832 Maryland Av.	*Penna. Water & Power Co.*
Bernard Woytowitz.	711 S. Bouldin St.	*Central Foundry Co.*

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MECHANICAL ENGINEERING 3–N

(*Power Plant Calculations and Design*)

C. Herbert Baxley.	2805 N. Calvert St.	*Amer. Ham. Piston R'g Co.*
Lennox Birckhead.	Towson.	*Cons. Gas & Elec. Co.*
Walter P. Bloecher.	1509 Ellamont St.	*Chas. T. Main*
H. J. Burgess.	1629 W. Lafayette Av.	*Cons. Gas & Elec. Co.*
H. G. Burrill.	3609 Winds'r Mill Rd.	*Cons. Gas & Elec. Co.*
J. Bernard Corridon.	27 W. North Av.	*Stone & Webster Co.*
James E. Countess, Jr.	1803 N. Fulton Av.	*Davison Chem. Co.*
Charles P. Crowley.	211 E. North Av.	*Stone & Webster Co.*
Melvin D. Engle.	522 Park Ave.	*Cons. Gas & Elec. Co.*
Forrest S. Harvey.	836 Park Av.	*Amer. Sugar Refining Co.*
Frederick Huber.	4924 Harford Av.	*Flynn & Emrich Co.*

MALCOLM N. OATES.	28 E. Mt. Vernon Pl.	*Cons. Gas & Elec. Co.*
WILLIAM C. REAMY, JR.	117 N. Payson St.	*Chatard & Norris.*
FRANK WHITEHOUSE.	2424 N. Charles St.	*Amer. Sugar Refining Co.*
JOHN H. ZAISER.	213 S. Pulaski St.	*H. E. Crook Co. Inc.*

(15)
Total (247)

REGISTERED IN 1920-21 TOO LATE FOR INCLUSION IN THE REGISTER FOR THAT YEAR

CHEMISTRY 1–N

EMANUEL ROSENTHAL.	2004 N. Stricker St.	*Bernstein, Cohen & Co.*

ELECTRICAL ENGINEERING 2–N

FRANK M. HERRING.	815 N. Stricker St.	*United Railways Co.*

MECHANICAL ENGINEERING 1–N

G. W. HERBERT.	11 Strathmore Av.	*Bethlehem Steel Co.*

X. ATTENDANTS ON SUMMER COURSES, 1921

FREDERICK ABBOTT. Baltimore. 2931 *N. Calvert St.*
Johns Hopkins University. *French* 4; *History* 2; *Philosophy* 1.

MIGUEL BARCELON AFABLE. Manila, P. I. 2652 *Maryland Av.*
Johns Hopkins University. *German* 3; *Philosophy* 1 and 2.

JOSEPH AGUADO. Manila, P. I. 2644 *N. Charles St.*
Johns Hopkins University. *French* 2.

REBEKAH PATTON AITKEN. Baltimore. 302 *W. Lanvale St.*
Maryland State Normal School. *Education* 21 B, 32, and 33.

ANNA CHRISTINA ALBERT. Baltimore. 112 *S. Ellwood Av.*
B. S., Johns Hopkins University, 1920. *Education* 20.

LOUIS ST. CLAIR ALLEN. Baltimore. 1407 *Hanover St.*
Biology 1.

MARY NEWMAN ALLISON. Baltimore. 716 *N. Arlington Av.*
Eastern High School. *Education* 32 and 33.

WARREN WRIGHT ALMY. Baltimore. *Ridge Rd., Mt. Wash'n*
A. B., Johns Hopkins University, 1921. *Education* 8 and 10; *English Literature* 1.

ANNA CATHERINE AMIG. Baltimore, 3019 *N. Calvert St.*
Drexel Institute (Pa.). *Home Economics* 1.

MARGARET ELIZABETH ANDERSON. Somerset Co. *Deal's Island*
Education 5; *History* 4.

ADA MARY ANDREW. Baltimore. 3305 *Windsor Mill Rd.*
Maryland State Normal School. *Education* 13, 16, and 21 A.

AGNES ANDREWS. Baltimore. 9 *W. White Av.*
St. Catherine's Normal Institute. *Education* 15; *Music* 2.

EDWIN EDWES ANDROVIC. Baltimore. 827 *Hamilton Ter.*
Johns Hopkins University. *Chemistry* 1.

FLORENCE IRENE ARNOLD. Baltimore. 4851 *Reisterstown Rd.*
Johns Hopkins University. *Education* 7, 9, 10, and 15.

NELLIE VAN FOSSEN ASHCOM. Baltimore. 1622 *Bolton St.*
Western High School. *Education* 32 and 33.

EFFIE ASHCRAFT. Monroe, N. C. 2039 *Woodberry Av.*
Wingate High School (N. C.) *Education* 21 B, 32, and 34.

VIOLA WILLSON ASHCRAFT (MRS.) Monroe, N. C. 2039 *Woodberry Av.*
Western High School (Balt.). *Education* 30; *Politics* 1 and 2.

HELEN S. WILMER ATHEY (MRS.) Balto. 100 *S. Patterson Pk. Av.*
Psychology 1; *Spanish* 3.

DOROTHY ANNE BACHMAN. Baltimore. 1403 *N. Caroline St.*
Eastern High School. *Education* 21 B; *Manual Training* 6.

HELEN KEYSER BACHRACH. Baltimore. 20 *Overhill Rd.*
A. B., Goucher College, 1908. *Economics* 1; *Education* 2 and 8.

JANE ELLEN BACKUS. Jamestown, N. Y. 428 *E. Randall St.*
Education 24; *History* 4; *Psychology* 3.

MARIANO BADILLO. Mexico City, Mexico. *Y.M.C.A.*
Johns Hopkins University. *Education* 7; *German* 2; *Journalism* 2.

EMILY BAECHTEL. Baltimore. 219½ *E. North Av.*
A. B., Wilson College, 1891. *Education* 7.

FRANCES WYATT BAKER. Baltimore. *"The Mansion," Irvington*
Bryn Mawr School. *Education* 21 B and 28.

NELSON BAKER. Baltimore. 1310 *Harlem Av.*
Western High School. *Music* 1 and 2; *Psychology* 2.

ANNA LEE BALDWIN. Calvert Co. *St. Leonard*
Maryland State Normal School. *Economics* 2; *Education* 24; *History* 3.

FRANCES HEDGEMAN BALL. Baltimore. 1527 *Eutaw Pl.*
Baltimore Teachers' Training School. *Education* 27; *French* 5.

HAROLD HENRY BALLARD. Baltimore Co. *Ruxton*
Ph. D., Johns Hopkins University, 1893. *Education* 2 and 11.

STELLA HANNAH BAMBERGER. Baltimore. 2408 *Linden Av.*
Johns Hopkins University. *Education* 2 and 13; *History* 3.

FLORENCE G. BANGERT. Baltimore. 2200 *N. Calvert St.*
Columbia University. *Biology* 1 and 2; *Home Economics* 1.

JOHN BERNARD BARKER. Baltimore. 4115 *Park Heights Av.*
A. B., Western Maryland College, 1913. *Education* 8 and 12; *History* 2.

OLIVIA HODGES BARKER (MRS.) Baltimore. 1016 *N. Fulton Av.*
Peabody Normal School, Nashville, Tenn. *Education* 21 B and 32; *Music* 1.

EDNAH HEATON BARNARD. Baltimore. 1011 *Woodburne Av.*
Eastern High School. *Manual Training* 1 and 2.

JENNIE MARY BARRETT. Baltimore. 710 *Gorsuch Av.*
Johns Hopkins University. *Education* 21 B and 22.

ANNA MAREAH BARTON. Baltimore. 12 *E. 22nd St.*
Maryland State Normal School. *Education* 21 A and B; *Music* 2.

BEATRICE JOHN BARTON. Baltimore. 12 *E. 22nd St.*
Western High School. *Education* 16; *Home Economics* 2.

CORNELIA ALLEN BARTON. Baltimore. 12 *E. 22nd St.*
Eastern High School. *Education* 21 A and B; *Music* 2.

HELEN BARTON. Baltimore. *Linwood Av., Station E*
A. B., Goucher College, 1913. *Mathematics* 1.

NOLAND ELIAS BASLER. Carroll Co. *Hampstead*
Western Maryland College. *Education* 23, 24, and 35.

SARAH JANET BASSETT. Baltimore. 3218 *Fait Av.*
Johns Hopkins University. *History* 3 and 4; *English Literature* 1.

SUSIE ADELAIDE BASSETT. Baltimore. 3218 *Fait Av.*
Baltimore Teachers' Training School. *Education* 21 B; *Manual Training* 6.

HARRY HARRIS BATCHELOR. Baltimore. 504 *Chestnut Hill Av.*
Towson High School. *English Composition* 1; *French* 5.

ROBERT LEE BATES. Baltimore Co. *Lutherville*
A. M., Johns Hopkins University, 1920. *French* 5; *German* 3.

NORMAN JOHNSON BATTS. Baltimore. 117 *S. Curley St.*
Baltimore Teachers' Training School. *Education* 24; *Psychology* 2.

ELLA MAUDE BAXLEY. Baltimore. 1221 *Bolton St.*
Education 21 B and 31.

ANNA LOUISE BAXTER. Baltimore. 1422 *W. Fayette St.*
Western High School. *Education* 21 A; *Home Economics* 1 and 2.

SAMUEL BRECHT BAYLE. Talbot Co. *Tilghman.*
A. M., Allegheny College (Pa.), 1892. *Economics* 1; *Education* 8 and 23.

AUGUSTA STEWARD BAYLEY. Baltimore. 924 *W. North Av.*
Western High School. *Home Economics* 2.

LELA MADORA BEATTY. Baltimore Co. *Monkton.*
Maryland State Normal School. *Education* 3 and 4; *Music* 1.

ELSIE MARIE BEAUCHAMP. Baltimore. 818 *Park Av.*
Baltimore Teachers' Training School. *Economics* 1; *English Composition* 3; *Psychology* 2.

ERNEST JULIUS BECKER. Baltimore. 220 *W. Lanvale St.*
A. B., Johns Hopkins University, 1894, and Ph. D., 1898. *Education* 2.

CHARLES MICHAEL BEHR. Baltimore. 25 *S. Highland Av.*
A. B., St. John's College (N. Y.), 1915. *Education* 2, 8, and 21 A.

BESSIE BURNS BENNETT. Baltimore. 106 *W. North Av.*
B. S., Johns Hopkins University, 1921. *French* 1 and 2; *Spanish* 1.

FRANCES LANIER S. BENNETT. Anne Arundel Co. *Tracy's Landing.*
Western High School. *Education* 10; *English Literature* 2 and 3.

JESSIE BENNETT. Baltimore. 426 *E. Lafayette Av.*
Home Economice 2.

VIRGINIA RAPHAEL BENNETT. Baltimore. 1429 *N. Central Av.*
Baltimore Teachers' Training School. *Education* 15; *English Composition* 1; *English Literature* 1.

MARY ELIZABETH BENSON (Mrs.) Baltimore. 104 *E. 25th St.*
Western High School. *Education* 21 B and 32.

JOSEPH MOSES BERKOWITZ. Baltimore. 1025 *W. Baltimore St.*
A. B., Johns Hopkins University, 1920. *Biology* 1; *Economics* 1; *Psychology* 3.

ROZELL BERRYMAN. Baltimore. 4224 *Euclid Av.*
Maryland State Normal School. *Education* 16.

CAROLYN GRACE BEVARD. Carroll Co. *Sykesville.*
Western Maryland College. *Education* 21 B, 24, and 27.

CHARLES LESLIE BLENTLINGER. Frederick Co. *Frederick.*
Maryland State Normal School. *Manual Training* 1 and 2.

BENSON BLOOM. Baltimore. 3310 *Auchentoroly Ter.*
Johns Hopkins University. *Economics* 1; *Philosophy* 1 and 2.

EVAH BLUMBERG. Baltimore. 3100 *Oakfield Av.*
Baltimore Teachers' Training School. *English Composition* 3; *Philosophy* 2; *Psychology* 1.

LAURA GERTRUDE BLUNDON. Baltimore. 1227 *Linden Av.*
Affordby Normal School. *Education* 21 B and 31; *Psychology* 2.

HENRIETTA BOOTH. Cecil Co. *Elkton.*
A. B., Goucher College, 1917. *Education* 8 and 14; *English Literature* 1.

MARY THORGILO BORUP (Mrs.) Baltimore. *Catonsville.*
English Composition 1; *Philosophy* 1; *Politics* 1.

MARY THERESA BOSWEL. Washington Co. *Clear Spring.*
St. Catherine's Normal Institute. *Education* 21 B, 32, and 33.

HENRY J. BOTHE. Baltimore. 1209 *Hanover St.*
Ph. B., Wesleyan University, 1905. *Education* 15.

JESSIE BOUSTEAD. Baltimore. 723 *W. North Av.*
Johns Hopkins University. *Eaucation* 21 B, 31, and 32.

MARY FRANCES BOWMAN. Montgomery Co. *Germantown.*
Rockville High School. *Education* 29, 32, and 33.

MARGARET ELLEN BRADY. Baltimore. 4601 *Park Heights Av.*
Maryland State Normal School. *Spanish* 3.

MARY STANSBURY BRAUN. Baltimore. 1741 *N. Bond St.*
Johns Hopkins University. *English Literature* 2; *History* 2 and 3.

META FRANKLIN BREWER (Mrs.) Baltimore. 1107 *Harlem Av.*
Western High School. *Education* 27; *Music* 1.

FLORENCE ELIZABETH BRIAN. Howard Co. *Ellicott City.*
Maryland State Normal School. *Education* 33 and 34.

MARY ELIZABETH BROADBELT. Baltimore. 1222 *E. North Av.*
Education 21 B and 31; *Music* 1.

ANGELA MARIE BROENING. Baltimore. 16 *W. Lee St.*
A. B., Goucher College, 1919. *Education* 15 and 24; *Psychology* 2.

GRACE DOLORES BROENING. Baltimore. 16 *W. Lee St.*
Baltimore Teachers' Training School. *Education* 15, 16, and 27.

MARY LUCIA BROENING. Baltimore. 16 *W. Lee St.*
Baltimore Teachers' Training School. *Education* 4 and 22; *French* 5.

ANNA MARY BROWN. Baltimore Co. *Fowblesburg.*
Franklin High School. *Education* 21 B, 33, and 34.

CLARA MAUDE BROWN. Baltimore. 705 *Gladstone Av.*
Maryland State Normal School. *Biology* 1 and 2.

ELIZABETH DANIEL BROWN. Baltimore. 121 *W. 24th St.*
Education 21 B and 31.

ELIZABETH VIRGINIA BROWN. Baltimore. 800 *E. North Av.*
Eastern High School. *Education* 10; *History* 2.

JANE EMILIENNE BROWNE. Cecil Co. *Elkton.*
Johns Hopkins University. *English Composition* 1; *English Literature* 2; *French* 1.

CHALMERS SHERFEY BRUMBAUGH. Baltimore. 1020 *Cathedral St.*
A. B., Juniata College (Pa.), 1904. *Education* 11.

EMMA JOSEPH BRYAN. Baltimore. 1721 *Hollins St.*
Maryland State Normal School. *Education* 21 B and 32.

LUCY A. BRYDEN. Frederick Co. *New Market.*
A. B, Wellesley College, 1898. *Education* 7.

ALICE GRAHAM BUCHER. Baltimore. 1014 *Beaumont Av.*
Johns Hopkins University. *Biology* 1; *Education* 16 and 18.

AGNES E. BUCHHOLZ. Baltimore Co. *Catonsville.*
B. S., Johns Hopkins University, 1917. *French* 2 and 3; *History* 2.

EMILY LEONORE BUCHHOLZ. Baltimore. 1519 *Park Av.*
Baltimore Teachers' Training School. *Education* 2, 16, and 21 A.

MAGGIE WELSH BUCKMAN. Baltimore Co. *Owings Mills.*
Western High School. *Education* 21 B, 32, and 33.

WILLIAM ANTON BUEDINGER. Jersey City, N. J. *Y. M. C. A.*
B. S., Pennsylvania College, 1920. *Chemistry* 3.

MINNA DOROTHY BUEHNER. Baltimore. 4101 *Belvieu Av.*
Western High School. *Education* 21 B; *Home Economics* 2.

MARY BUNWORTH. Baltimore. 616 *Park Av.*
Johns Hopkins University. *English Composition* 2; *Psychology* 2 and 3; *Spanish* 3.

HATTIE ELIZABETH BURGESS. Kent Co. *Rock Hall.*
Tome Institute. *Education* 33; *Manual Training* 6.

ORA BURGESS. Baltimore. *Gwynn Oak Av.*
Bard Avon School (Baltimore). *Education* 21 B.

EVA MAY BURKE. Baltimore. 2855 *Pennsylvania Av.*
Baltimore Teachers' Training School. *Geography* 2; *Psychology* 3.

MARTHA BUSCHMAN. Baltimore. 2254 *Brookfield Av.*
Baltimore Teachers' Training School. *Education* 21 B and 32.

ARTHUR CLIFTON BUSHEY, JR. Baltimore. 1507 *E. North Av.*
Baltimore Polytechnic Institute. *Manual Training* 1, 3, and 5.

HOWARD WESLEY BUSSARD. Frederick Co. *Thurmont.*
Western Maryland College. *Education* 21 B, 24, and 25.

LELIA HILL BUTLER. Baltimore. 114 *E. Virginia Av.*
Western High School. *Education* 21 B, 31, and 32.

DAVID GARIBALDI BUTTERFIELD. Baltimore. 725 *Glenwood Av.*
Maryland State Normal School. *Education* 3, 21 B, and 22.

VIDA ALLAMEDA BYRD. Baltimore. 302 *E. Randall St.*
Eastern High School. *Music* 1 and 2.

MARGARET MARY BYRNES. Baltimore. 340 *E. 20th St.*
Baltimore Teachers' Training School. *Education* 24; *English Literature* 3.

LAURA JEANETTE CAIRNES. Baltimore. 4008 *Roland Av.*
A. B, Goucher College, 1907. *Economics* 1; *Education* 2 and 13.

ALICE EVA CALDER. Baltimore. 404 *E. Lake Av.*
A. B., Goucher College, 1910. *Education* 4.

HUGH WRIGHT CALDWELL. Cecil Co. *Chesapeake City.*
Johns Hopkins University. *French* 5; *Politics* 1.

RAYMOND MEARNS CAMERON. Cecil Co. *North East.*
B. S., Delaware College, 1917. *Education* 18 and 20; *Manual Training*, 2.

RUTH HENRIETTA CAMERON. Cecil Co. North East.
Tome Institute. *Home Economics*, 2; *Manual Training* 6.

JOHN PETER CAMPBELL. Baltimore. 310 *W. Monument St.*
St. James' Catholic School. *Chemistry* 3.

ELLA CANNAN. Cecil Co. *Cecilton.*
George Biddle High School. *Education* 28, 29, and 37.

MARETTA CANNON. Baltimore. 923 *Cathedral St.*
Education 21 B and 31; *Psychology* 2.

JOHNNIE EDITH CANTWELL. Howard Co. *Brookville.*
Education 23 and 33.

HARRY CAPLAN. Baltimore. 505 *N. Wolfe St.*
University of Cincinnati. *Economics* 1; *Philosophy* 1 and 2.

HARRY LINGAN CAPLES. Baltimore Co. *Towson.*
A. B., Johns Hopkins University, 1908. *English Literature* 1; *Education* 9 and 10.

AGNES CARROLL. Allegany Co. *Cumberland.*
St. Joseph's School (Md.). *Education* 4, 24, and 27.

MARY WRIGHT CARROLL. Kent Co. *Chestertown.*
Maryland State Normal School. *Education* 2, 4, and 11.

ALICE LILLIAN CARTER. Baltimore. 26 *E. 25th St.*
Maryland State Normal School. *English Composition* 1; *English Literature* 1; *History* 2.

ESTELLA BELLE CARTER. Wicomico Co. *Cambridge.*
Maryland State Normal School. *English Composition* 1, *English Literature* 1; *History* 2.

VIRGINIA MARGARET CASHMYER. Baltimore. 407 *E. 22nd St.*
Eastern High School. *Education* 21 B and 25.

ELEANORA WAGNER CHAMBERLAIN. Baltimore. 2409 *N. Calvert St.*
Hannah More Academy. *Spanish* 2.

HELEN LUCY CHAMBERS. Baltimore. 2205 *Elsinor Av.*
Baltimore Teachers' Training School. *Education* 27.

ANNA ELIZABETH CHAPPELL. Baltimore Co. *Glyndon.*
Baltimore Teachers' Training School. *Education* 25 and 37.

CHAO MING CHEN. Kutien, China. 2737 *Maryland Av.*
Fuhkien Provincial College. *Economics* 1; *English Literature* 3; *Philosophy* 1.

MARY BLANCHE CHIPMAN. Baltimore. 501 *Cedarcroft Road.*
Maryland State Normal School. *Education* 3 and 21 B; *Music* 1.

DORIS VIRGINIA CHURCH. Baltimore. 3402 *Clifton Av.*
Drexel Institute. *Education* 15; *Home Economics* 1.

BERTHA LEWIS CLARK. Baltimore. 233 *W. Preston St.*
Concord State Normal School (W. Va.). *Education* 21 B and 31.

CHARLOTTE CLARK. Baltimore. 3805 *Greenmount Av.*
Maryland State Normal School. *Education* 12 and 21 A; *English Composition* 1.

WILLIAM OWEN CLARK. Kent Co. *Rock Hall.*
Rock Hall High School. *Manual Training* 1 and 2.

ALICE ELIZABETH CLARKE. Baltimore. 717 *Newington Av.*
A. B., Goucher College, 1921. *Education* 24 and 25; *English Literature* 1.

KATHERINE ALLEN CLARKE. Baltimore. 717 *Newington Av.*
A. B., Goucher College, 1919. *French* 1; *Spanish* 1.

YOLANDE CLAWSON. Baltimore. *St. James Apts.*
Western High School. *Education* 6; *English Composition* 1; *Psychology* 3.

WALTER FREDERICK CLAYTON. Anne Arundel Co. *Annapolis.*
Ph. D., George Washington University, 1921. *Education* 5, 6, and 24.

MAZIE MCGINLEY CLEMSON. St. Mary's Co. *Laurel Grove.*
Maryland State Normal School. *Education* 24, 27, and 33.

EDWIN LOUIS CLINE. Baltimore. 3516 *Cottage Av.*
Johns Hopkins University. *Economics* 1; *Philosophy* 1; *Psychology* 3.

CHARLES PEARCE COADY, JR. Baltimore. 302 *Edgevale Rd.*
Johns Hopkins University. *Mathematics* 3.

MARGARET MAY COALE. Baltimore. 1811 *Park Av.*
Maryland State Normal School. *Education* 4 and 6.

JOHN GRAFF COCKEY. Baltimore Co. *Lutherville.*
Johns Hopkins University. *Chemistry* 1 (lectures only).

AGNES REGINA CODD. Baltimore. 931 *N. Calvert St.*
St. John's Female Academy. *Education* 21 B and 25.

MARY CAROLINE COE. Baltimore. *Station E.*
B. S., Johns Hopkins University, 1921. *Education* 4.

DAISY EDITH COHEN. Baltimore. 2224 *Callow Av.*
Eastern High School. *French* 5; *Spanish* 2.

DENA COHEN. Baltimore. 1403 *N. Charles St.*
Baltimore Teachers' Training School. *Journalism* 2; *Music* 1 and 2.

HELEN COHEN. Baltimore. *Strand Apts.*
Western High School. *Geography* 2.

MORRIS COHEN. Baltimore. 811 *Brooks Lane.*
Johns Hopkins University. *Economics* 1; *Philosophy* 1 and 2.

BESSIE RAY COLEMAN. Baltimore. 837 *N. Fremont Av.*
Shippensburg State Normal School (Pa.). *Education* 21 B; *Home Economics* 2.

SARAH ETHEL COLLISON. Anne Arundel Co. *Annapolis.*
Washington College. *Education* 32, 33, and 36.

ROSE MILBURN COMBS. St. Mary's Co. *Drayden.*
St. Mary's Academy (Md). *Education* 24, 27, and 33.

ELIZABETH ANNA CONNELLY. Baltimore. 1728 *N. Bond St.*
Baltimore Teachers' Training School. *English Composition* 1; *English Literature* 1; *Psychology* 2.

ANNIE CONNER. Baltimore. 1100 *S. Clinton St.*
Maryland State Normal School. *Education* 21 B; *Music* 1.

ELLA COOK. Baltimore. 1802 *W. Lexington St.*
Maryland State Normal School. *Education* 21 B, 32, and 33.

LULA SUMMERFIELD COOK. Baltimore. 1534 *Linden Av.*
Maryland State Normal School. *Education* 32; *English Composition* 1.

CLARENCE GARFIELD COOPER. Baltimore Co. *Towson.*
B. S., Columbia University, 1911. *Education* 1, 2, and 15.

ETHEL COOPER. Talbot Co. *Bozman.*
Johns Hopkins University. *Biology* 1; *Education* 10; *Spanish* 3.

MARY ELENORA CORBIN. Baltimore Co. *Loreley.*
Maryland State Normal School. *Education* 6 and 24; *Psychology* 2.

CLARENCE HORSEY CORDREY. Wicomico Co. *Delmar, Del.*
A. M., St. John's College, 1916. *Education* 1, 4, and 11.

ULPIANO CORONEL. Ecuador, S. A. 211 *W. Franklin St.*
Chemistry 4.

MARGARET MARY CORRIGAN. Baltimore. 434 *E. 22nd St.*
B. S., Johns Hopkins University, 1921. *History* 1 and 4.

NANNIE MARY CORRIGAN. Baltimore. 1607 *John St.*
Maryland State Normal School. *Education* 21 A, 24, and 28.

SISTER M. LORETTO (COSTELLO). Baltimore. *Mt. Washington.*
Academy of Notre Dame (D. C.). *Education* 24; *History* 2.

JOSEPH COUDON. Cecil Co. *Perryville.*
Manual Training 1 and 2.

LENETTA COUGLAR. Baltimore. *Southern Av.*
Baltimore Teachers' Training School. *Music* 1; *Politics* 1; *Psychology* 2.

KATHERINE COWAN. Baltimore Co. *Roslyn.*
Catonsville High School. *Education* 24 and 33.

HARRIET H. COWMAN. Baltimore. *Cecil Apts.*
Western High School. *Education* 16.

BEULAH GERTRUDE COX. Baltimore. 2325 *W. Lanvale St.*
Western High School. *Education* 21 B and 27; *Music* 1.

RONALD ATMORE COX. Baltimore. 54 *S. Fulton Av.*
Johns Hopkins University. *Chemistry* 1.

LUCYNDA MYRTLE CREET. Baltimore. 1518 *Eutaw Pl.*
Education 21 B, 24, and 33.

STELLA WATERS CRIGLER. Baltimore. 905 *Cathedral St.*
Education 21 B; *Music* 1.

KATHERINE REESE CROMWELL. Baltimore. 2127 *Callow Av.*
Western High School. *Education* 21 B, 22, and 27.

MICHAEL JENKINS CROMWELL. Baltimore Co. *Lake Roland P. O.*
Johns Hopkins University. *Economics* 3; *Psychology* 3.

ANNIE ELIZA CROWE. Baltimore Co. *Arlington.*
Eastern High School. *Education* 21 B; *Home Economics* 2.

GLADYS AUGUSTA CULLEY. Kent Co. *Rock Hall.*
Maryland State Normal School. *English Composition* 1; *History* 2; *Politics* 1.

AGNES CUNNINGHAM. Baltimore. 1204 *N. Bond St.*
Eastern High School. *Education* 21 B; *Music* 1.

RAY CUNNINGHAM. Baltimore. 126 *W. Lafayette Av.*
B. S, St. John's College. *Education* 8 and 10; *English Literature* 1.

LILLIAN VIOLA CUTTER. Garrett Co. *Lonaconing.*
Davis Elkins College. *English Literature* 2 and 3; *History* 1.

HELEN MARIE DALTON. Baltimore. 16 *Augusta Av.*
Maryland State Normal School. *Education* 6 and 21 B; *English Composition* 1.

BENEDICT HOLOFCHINER D'ARLON. Bronx, N. Y. 624 *Cator Av.*
Columbia School of Journalism. *French* 1; *Philosophy* 2; *Spanish* 1.

MARCELLA MITCHELL DAVIDSON. Queen Anne Co. *Queenstown.*
St. Anne's School (Va.). *Education* 21 B, 27, and 33.

MINNIE LEE DAVIS. Baltimore. 2106 *Brookfield Av.*
Maryland State Normal School. *Education* 19 and 30.

NORA WAYLAND DAVIS. Baltimore. 409 *S. Clinton St.*
Education 21 B and 31; *Music* 1.

MABEL MAY DAVISON. Washington, D. C. 5 *W. 27th St.*
A. B., George Washington University, 1921. *Education* 21 B and 33; *Psychology* 2.

OLIVE REBECCA DAWKINS (Mrs.) Baltimore. 3310 *Carlisle Av.*
Hurlbut Teachers' Training School. *Education* 21 B; *Home Economics* 1 and 2.

ERMA GRACE DEAL. Washington, D. C. *Reisterstown.*
Maryland State Normal School. *Education* 2 and 17; *History* 3.

ANNA KIRKWOOD DEETS. Harford Co. *Jarrettsville.*
Jarrettsville High School. *Education* 21 B and 35.

KATHERINE ELIZABETH DELL. Baltimore. *Mt. Washington.*
Western High School. *Home Economics* 1 and 2.

AUGUSTA DELLONE. Baltimore Co. *Overlea.*
Johns Hopkins University. *Education* 6; *History* 3; *Psychology* 2.

MIRIAM DEWALD. Baltimore. 1912 *W. North Av.*
Baltimore Teachers' Training School. *Geography* 2; *History* 3

RUTH ELSIE DEWLING. Baltimore. 2202 *Elsinor Av.*
Baltimore Teachers' Training School. *Education* 15, 16, and 17.

WALTER FRANKLIN DEWLING. Baltimore. 2202 *Elsinor Av.*
A. B., Richmond College, 1916, A. M., University of Pennsylvania, 1919. *Psychology* 1 and 2.

CLAUDIA BELLINGER DIDIER. Baltimore. 1721 *N. Calvert St.*
Baltimore Teachers' Training School. *Education* 21 B.

FRED BARTLETT DIDIER. Baltimore. 149 *W. Lanvale St.*
Easton High School. *Manual Training* 1, 2, and 5.

VIVIAN BARRETT DIEHL (Mrs.) Baltimore. 2737 *Maryland Av.*
Johns Hopkins University. *Biology* 1; *English Literature* 3.

WILHELMA DIETZ. Baltimore. 2439 *Lauretta Av.*
Western High School. *Education* 21 B and 32; *Music* 1.

BERTHA WILLEMMINA DIMLING. Baltimore. 2811 *Frederick Av.*
Western High School. *Education* 21 B and 32.

PHILIP WORTHINGTON DIMON. Washington, D. C. 1827 *Park Rd.*
Johns Hopkins University. *English Composition* 1.

AMELIA DIPPEL. Baltimore. 2501 *McElderry St.*
Education 21 B; *Home Economics* 2; *Manual Training* 6.

EDNA LEOLA DIXON. Baltimore. 2206 *Elsinor Av.*
Johns Hopkins University. *Biology* 1 and 2.

CLARA S. DOBBIN. Baltimore. *The Walbert Apts.*
Notre Dame of Maryland. *Education* 22.

ALICE COOPER DOHME. Baltimore. 3014 *St. Paul St.*
Eastern High School. *Education* 21 B and 32.

EDGAR HOWARD DONALDSON, JR. Baltimore Co. *Catonsville.*
Catonsville High School. *French* 2 and 4.

THOMAS DONALDSON. Baltimore. 1550 *Latrobe Pk. Ter.*
General Theological Seminary (N. Y.). *Economics* 3; *English Composition* 3; *Philosophy* 1.

MARGARET MARIE DONNELLY. Baltimore. 1801 *Edmondson Av.*
Baltimore Teachers' Training School. *Education* 21 B; *Manual Training* 6.

LILLIAN DONOVAN. Baltimore. 513 *N. Carrollton Av.*
Eastern High School. *Education* 13, 16, and 21 A.

MARY BEATRICE DOSIER. Randleman, N. C. 2627 *Maryland Av.*
Education 13 and 15; *Politics* 1.

PHILIP DOUGHERTY. Baltimore. 2902 *Maryland Av.*
B. S., Trinity College (Conn.); A. M., Columbia University. *Education* 2 and 13.

MARGARET ELIZABETH DOWNEY. Baltimore. 1575 *Abbottston St.*
Johns Hopkins University. *Education* 13, 16, and 22.

ELLEN MARIE DOYLE. Baltimore. *Mt. Washington.*
Maryland State Normal School. *Education* 10, 12, and 15.

FANNIE BARBARA DRISCOLL. Baltimore. 22 *Augusta Av.*
Maryland State Normal School. *Education* 21 B and 25.

SISTER MARY JOANELLO (DRISCOLL) Baltimore. *Notre Dame of Md.*
Notre Dame of Maryland. *Education* 21 A.

MARY ALICE DRUMMOND. Baltimore. 2108 *Mt. Royal Ter.*
Maryland State Normal School. *Education* 36 and 37.

HELEN DRYDEN. Baltimore. 3925 *Ridgewood Av.*
Baltimore Teachers' Training School. *Education* 21 A; *Politics* 1.

ALICE JOUVEAU DUBREUIL. Baltimore. 14 *E. 25th St.*
A. B., Cornell University, 1906; A. M., Johns Hopkins University, 1913. *Education* 1 and 4.

ELEANORA DUKE. Baltimore. 209 *W. Franklin St.*
Western High School. *Education* 21 B and 32; *Music* 1.

HELEN DUKE. Baltimore. *Mt. Washington Heights.*
Baltimore Teachers' Training School. *Education* 21 B and 25; *Music* 2.

CERULEA E. DUMM. Baltimore. 1410 *W. Lanvale St.*
A. B., Western Maryland College, 1890. *Education* 21 B and 31; *Music* 1.

MARIE MILES DUNCAN. Baltimore. *Cambridge Apts.*
Education 21 B and 27; *Manual Training* 6.

DAISY GERTRUDE DUNN. Baltimore. 2103 *N. Charles St.*
Western High School. *Education* 21 B; *Music* 1 and 2.

WENDELL EARL DUNN. Blunt, S. D. 1323 *Edmondson Av.*
A. B., Wisconsin University, 1916. *Education* 8, 16, and 21 A.

GARLAND HOMER DUNNINGTON. Baltimore. 200 *Ridgewood Rd.*
Johns Hopkins University. *Economics* 1; *History* 3 and 4.

HILDA ALVERTA DURHAM. Harford Co. *Forest Hill.*
Education 21 B, 23, and 35.

LOUISE AMALIE DÜRR. Baltimore. 3519 *Falls Rd.*
West Chester State Normal School (Pa.). *Education* 21 B and 32.

LILIAN WINSLOW DUVAL. Baltimore. 1517 *W. Fayette St.*
Western High School. *Education* 12, 15, and 16.

WILLIAM HOWARD EASTON. Baltimore. 136 *Overland Av.*
A M., Queen's University (Canada). *Education* 9 and 10; *English Literature* 2.

EMORY CARROLL EBAUGH. Carroll Co. *Patapsco.*
Reisterstown High School. *Manual Training* 1 and 2.

GEORGE WASHINGTON EBAUGH. Baltimore. 2312 *Arunah Av.*
Education 16.

JESSIE MAY EBAUGH. Baltimore. *Reisterstown.*
A. B., Goucher College, 1904. *Classical Literature; Education* 12 and 21 A.

OLIVE RUTH EBAUGH. Carroll Co. *Patapsco.*
A. B., Western Maryland College, 1921. *Education* 9 and 10; *Music* 2.

CHARLES ARTHUR EBY. Baltimore. 1101-2 *Fidelity Bldg.*
A. B., Loyola College, 1912; LL. B., University of Maryland, 1905. *History* 1; *Politics* 2.

JENNIE ECKEL. Baltimore Co. *Towson.*
Eastern High School. *Education* 21 B, 24, and 27.

ELLEN CLEMENTINE EDEL. Baltimore. 715 *E. 22nd St.*
Western High School. *Education* 21 B; *French* 5.

LUCILE MARGUERITE EDGETT. Baltimore. 1500 *Linden Av.*
Baltimore Teachers' Training School. *Education* 15; *History* 1 and 3.

LEWIS ANGEVINE ELDRIDGE, JR. Hempstead, N. Y. 2804 *N. Calvert St.*
A. B., Harvard College, 1921. *Chemistry* 1; *German* 3.

LUTHER ALLEN EMICH. Charleston, W. Va. 1812 *St. Paul St.*
Reisterstown High School. *Manual Training* 1 and 2.

ALICE EMORY. Baltimore. 342 *E. 22nd St.*
Maryland State Normal School. *Education* 21 B and 25.

ANNA MARIE ENGLE. Baltimore. 3014 *Guilford Av.*
Maryland State Normal School. *Biology* 1; *Education* 16 and 19.

HAZEL AILENE ENGLEHART. Garrett Co. *Accident.*
Biology 1; *English Composition* 1.

JAMES BANCROFT EPPES. Anne Arundel Co. *Annapolis.*
B. S., University of Georgia, 1907. *Mathematics* 1 and 2.

REBECCA ELIZABETH ERB. Carroll Co. *Detour.*
A. B., Western Maryland College, 1918. *Education* 28, 32 and 35.

ROSE ERDMAN. Baltimore. 3027 *W. North Av.*
Eastern High School. *Education* 25; *Geography* 2.

MARY EMMA EUBANK. Baltimore. 1629 *St. Paul St.*
Education 21 B, 31, and 32.

KEENER WILSON EUTSLER. Hedgesville, W. Va. 2002 *Bentalou St.*
B. S., Johns Hopkins University, 1916. *Education* 1, 2, and 4.

ETHEL VIOLA EVANS. Baltimore. 2302 *E. Federal St.*
Eastern High School. *Music* 1 and 2.

FRANCES EVANS. Baltimore Co. *Phoenix.*
Maryland State Normal School. *Education* 21 B; *Geography* 2; *Music* 1.

MARY ELEANOR EVANS. Baltimore. 505 *Beaumont Av.*
Maryland State Normal School. *Education* 10 and 16.

EMILY W. EVERSFIELD. Baltimore. 3805 *Dorchester Rd.*
Baltimore Teachers' Training School. *Education* 21 A and 22.

EUGENIA FAIRFAX EVERSFIELD. Baltimore. 3805 *Dorchester Rd.*
Eastern High School. *Education* 16, 17, and 21 A.

EDITH IRONS EYLER. Baltimore. 3415 *Piedmont Av.*
Affordby Normal School. *Education* 21 B and 31.

FRANK FAHM, JR. Baltimore. 2720 *Tivoly Av.*
C. E., Lehigh University, 1912. *Education* 8 and 15.

GAY FAIRALL (Mrs.) Prince George Co. *Laurel.*
Laurel High School. *Education* 4 and 8.

HERBERT ERNEST FANKHANEL. Baltimore. *Mt. Washington.*
B. S., St. John's College, 1919. *Education* 9.

ELSIE BENNETT FARINGER. Baltimore. *Mt. Washington.*
Eastern High School. *Home Economics* 1.

ELIZABETH GWIN FARINHOLT. Baltimore. 4303 *Maine Av.*
Western High School. *Psychology* 2.

MAY FARVER. Carroll Co. *Westminster.*
Education 32, 33 and 35.

MARGARET EARLE FEDDEMAN. Baltimore. 1702 *N. Calvert St.*
Maryland State Normal School. *Education* 25; *Geography* 2.

CHARLES BERTRAM FEIG. Baltimore. 1538 *N. Caroline St.*
Baltimore City College. *Education* 3, 21 B, and 22.

KATHERINE MAUDE FERGUSON. Baltimore. 824 *N. Appleton St.*
Western High School. *Music* 2; *Politics* 1.

ISIDOR SARON FINEMAN. Baltimore. 3516 *Holmes Av.*
Johns Hopkins University. *French* 1; *Philosophy* 1 and 2.

EVA MARIE FISHER. Baltimore. 1903 *Gough St.*
Baltimore Teachers' Training School. *Education* 7; *English Composition* 1; *Psychology* 2.

CLARA BROOKS FISHPAUGH. Kayford, W. Va. *Cockeysville.*
A. B., Bethany College, 1901, and A. M., 1912. *Education* 1 and 19; *Psychology* 1 and 2.

KITTY GRIFFITH FITE. Baltimore Co. *Roslyn.*
Maryland State Normal School. *Education* 6, 27, and 30.

BESSIE HELENA FITZGERALD. Baltimore. 3404 *Duvall Av.*
Education 21 B and 31; *Music* 1 and 2.

JAMES EZRA FLEAGLE. Baltimore. 2750 *Fenwick Av.*
A. B., Western Maryland College, 1909. *Education* 8; *French* 2.

JOHN GABRIEL FLECK. Baltimore. 2402 *Shirley Av.*
A. B., Pennsylvania College, 1912. *Economics* 1; *Psychology* 1 and 2.

CHRISTIAN MATHEW FLEMING. Baltimore. 1029 *N. Gay St.*
Chemistry 1; *English Composition* 3.

IDA VIRGINIA FLOWERS. Baltimore. 428 *E. 20th St.*
Johns Hopkins University. *Education* 22 and 27; *History* 3.

WILLIAM RICHARDSON FLOWERS. Baltimore. 2054 *Kennedy Av.*
B. S., Johns Hopkins University, 1920. *Education* 2 and 5; *Psychology* 2.

MARGARET LUCILLE FORDEN. Baltimore. 5309 *Melvin Av.*
Western High School. *English Composition* 1; *Journalism* 1 and 2.

EDWIN FORREST. Baltimore. *Gwynndale Av.*
Education 22.

SUZANNE WHEATLEY FOSTER. Logan, Va. 14 *E. Franklin St.*
Education 10; *English Composition* 1; *French* 5.

HENRIETTA FOX. Baltimore Co. *Fullerton.*
Education 6, 27, and 30.

SAMUEL RANKIN FOX. Anne Arundel Co. *Severn.*
Education 6, 16, and 21 B.

ETHEL AUGUSTA W. FRANK. Baltimore. 5 *E. White Av.*
Maryland State Normal School. *Education* 19; *Geography* 1; *Music* 2.

HARRY FERDINAND FRANK. Baltimore. 112 *W. Hamilton Av.*
A. B., Johns Hopkins University, 1917. *Education* 8.

MAY FRANKE. Baltimore. 2117 *Brookfield Av.*
Western High School. *Education* 16 and 19; *Geography* 1.

GRACE ANTOINETTE FRANTZ. Baltimore. 5 *Roland Av.*
Education 21 B and 31; *Music* 1.

MARY LOUISE FREBURGER. Baltimore. 539 *N. Carrollton Av.*
Western High School. *Education* 17 and 19; *Geography* 1.

EMMA MARIE FREDERICK. Baltimore. 229 *S. Ellwood Av.*
Baltimore Teachers' Training School. *Education* 21 B and 32.

MARY GERTRUDE FREEMAN. Baltimore. 3719 *North Rd.*
Baltimore Teachers' Training School. *Education* 15; *History* 3.

FRANK LEO FREEZE. Baltimore. 1526 *John St.*
Baltimore Polytechnic Institute. *Education* 15; *Manual Training* 1.

ELLA M. FRENCH. Baltimore. 517 *Hayward Av.*
Baltimore Teachers' Training School. *Education* 20 and 25.

OWEN FRIEND. Garrett Co. *Friendsville.*
St. John's College. *Education* 8 and 21 A; *Psychology* 1.

DOROTHEA EVA FRIESE. Baltimore Co. *Catonsville.*
Goucher College. *Politics* 1 and 2.

ELLA AUGUSTA GABLE. Baltimore. 816 *E. Preston St.*
Eastern High School. *Music* 1; *Spanish* 3.

MARY TERESA GALLAGHER. Baltimore. 2903 *Hudson St.*
Baltimore Teachers' Training School. *English Literature* 1; *German* 2.

H. NELSON GAMBRILL. Baltimore. 5000 *Catalpha Rd.*
Baltimore Polytechnic Institute. *Education* 8.

DOROTHY BROOKS GARDNER. Baltimore. 705 *Newington Av.*
Maryland State Normal School. *Education* 21 B and 32.

ELEANOR WYE GARNER. Baltimore. 316 *E. 33rd St.*
Hannah More Academy. *Journalism* 2.

MARGARET GARRETT. Baltimore. 2413 *St. Paul St.*
Eastern High School. *Education* 8; *French* 2 and 3.

MARTHA GARTHE. Baltimore. 704 *N. Carey St.*
Education 21 B and 22.

NORA REGINA GEARY. Alleghany Co. *Lonaconing.*
St. Mary's High School. *English Composition* 3; *English Literature* 2 and 3.

ELIZABETH M. GEBHARDT. Carroll Co. *Westminster.*
Affordby Normal School. ***Education* 21 B and 31.**

RUTH ANNA GEGNER. Baltimore. 257 *S. Ellwood Av.*
Baltimore Teachers' Training School. *History* 2 and 3.

VASHTI ELIZABETH GEORGE. Dillon, S. C. 2743 *Maryland Av.*
A. B., Limestone College (S. C.), 1913. *English Composition* 2; *English Literature* 1.

FRANCIS JOSEPH GERAGHTY. Baltimore. 1132 *Barclay St.*
A. B., Loyola College, 1921. *Chemistry* 1.

ELSA JOHANNA GERBODE. Baltimore. 1720 *E. 25th St.*
Baltimore Teachers' Training School. *Music* 2; *Psychology* 1.

MINNIE P. GERWIG. Baltimore Co. *Catonsville.*
Maryland State Normal School. *Education* 6, 27, and 30.

ANNA MAUDE GIBBS. Prince George Co. *Mitchellville.*
Education 3, 6, and 24.

SISTER MARY BORGIA (GILLESPIE). Fall River, Mass. *Mt. St. Agnes Col.*
Holy Family High School (Mass.). *Chemistry* 4.

MABEL GILLIS. Baltimore. 2743 *Maryland Av.*
Wicomico High School. *Education* 21 B and 32; *English Composition* 3.

DAISY WASHINGTON GILMOUR. Baltimore. 4652 *Kernwood Av.*
Eastern High School. *Education* 21 B and 32.

RACHEL JANE GILMOUR. Baltimore. 533 *N. Calhoun St.*
Eastern High School. *Education* 21 B and 24; *Music* 1.

CAROLYN VIRGINIA GLANDING. Baltimore. 1641 *Ellamont Av.*
Education 17 and 20.

GEORGE GOETZ. Baltimore. 2110 *E. Pratt St.*
A. B., Johns Hopkins University, 1921. *Psychology* 1 and 2.

JUSTINUS GOLD. Baltimore. 1628 *Eutaw Pl.*
Johns Hopkins University. *Classical Literature*; *Biology* 1; *French* 5.

BIENVENIDO M. GONZALEZ. Pampanga, P. I. 2136 *Oak St.*
M. S., University of Wisconsin, 1915. *Education* 1; *French* 2; *German* 2.

LOUISE BLAND GOODWIN (MRS.) Baltimore Co. *Reisterstown.*
Powhatan College (W. Va.). *Education* 6, 21 B, and 24.

HAZEL FRANCES GOSLINE. Baltimore. 615 *E. 34th St.*
Baltimore Teachers' Training School. *Biology* 2; *Education* 7; *Psychology* 2.

MARTHA EMMA GOTHIE. Tamaqua, Pa. *Catonsville.*
Tamaqua High School (Pa.). *Education* 6, 21 B, and 32.

HELEN GOULD. Baltimore. 2740 *E. Baltimore St.*
Geography 2.

NELLIE ESTELLE GRADY. Baltimore. *Homewood Apts.*
Maryland State Normal School. *Education* 7.

JOHN EDWARD GRAEFE. Baltimore Co. *Owings Mills.*
A. B., Western Maryland College, 1912. *English Literature* 1; *History* 2; *Psychology* 1.

JANET GRAHAM. Baltimore. 3027 *Windsor Av.*
Goucher College. *Education* 21 B, 25, and 27.

AGNES H. GRANT. Cincinnati, O. 3228 *Abell Av.*
Ohio State University. *Education* 7.

MARY LOUISE GRAU. Baltimore Co. *Long Green.*
Johns Hopkins University. *Education* 6, 24, and 30.

ELLEN HEPBURN GRAY. Baltimore Co. *Reisterstown.*
Johns Hopkins University. *Biology* 1 and 2.

GLADYS ABRAMS GREENBERG. Baltimore. 3501 *Reisterstown Rd.*
Western High School. *French* 5; *Spanish* 2.

HELEN VEOLA GREENHOLT. Baltimore. 13 *Ailsa Av.*
Johns Hopkins University. *English Literature* 2; *History* 3.

EDWARD HAINES GREGG. Baltimore Co. *Relay.*
Johns Hopkins University. *Economics* 3.

WINONA GREIMAN. Carroll Co. *Westminster.*
York (Pa.) High School. *Education* 4; *Geography* 2.

FRANCES GIBBS GRIFFITH. Cecil Co. *Cecilton.*
George Biddle High School. *Education* 11 and 37; *English Literature* 3.

JESSIE IVA GRIGSBY. Mansfield, Pa. *Y. W. C. A.*
Mansfield State Normal School (Pa.). *Education* 16, 17, 19, and 28.

CARRIE POWERS GRIMM. Washington Co. *Hagerstown.*
Education 32; *Music* 1; *Psychology* 3.

MARTHA EVA GRUBE. Baltimore Co. *Curtis Bay.*
Thiel College (Pa.). *Psychology* 2; *Spanish* 2.

IOLA GRUMBINE. Baltimore. 609 *N. Carey St.*
Eastern High School. *Education* 27, 28, and 29.

HELEN LOUISE GUIDER. Baltimore. *Mt. Washington.*
Baltimore Teachers' Training School. *Education* 4; *Manual Training* 6; *Music* 1.

MARY ELLA GWIN. Baltimore. 4303 *Maine Av.*
Western High School. *Education* 21 B and 27; *Music* 1.

JAMES JOEL HADAWAY. Kent Co. *Rock Hall.*
Rock Hall High School. *Manual Training* 1 and 2.

BERTIE MAY HALL. Baltimore. 1912 *Homewood Av.*
Eastern High School. *Education* 10, 15 and 21 A.

ELMER ELLSWORTH HALL. Baltimore. 2023 *E. Preston St.*
Baltimore Polytechnic Institute. *Education* 8 and 15; *Psychology* 3.

HATTIE HALL. Baltimore. 216 *E. 20th St.*
Eastern High School. *Education* 7 and 21 B.

HATTIE NEWELL HALL. Baltimore. 2824 *Maryland Av.*
Eastern High School. *Education* 21 B; *Home Economics* 2.

DENJI HAMANO. Baltimore. *Severn Apts.*
Johns Hopkins University. *English Composition* 1; *English Literature* 2; *Politics* 1.

CONRAD CLAUD HAMP, JR. Baltimore. 3911 *Groveland Av.*
Catholic University. *Mathematics* 2 and 3.

ETTA BRIDGETTE HANIGAN. Howard Co. *Woodstock.*
Education 21 B, 27, and 30.

ELSIE HANNA. Baltimore Co. *Garrison.*
Maryland State Normal School. *Education* 24 and 33; *Psychology* 2.

FLORENCE JANE HANNA. Baltimore. 1015 *Linden Av.*
Goucher College. *Journalism* 1 and 2.

LAURA HANNA. Howard Co. *Ellicott City.*
Eastern High School. *English Literature* 3; *Journalism* 1 and 2.

LIDA HALL HARDING. Baltimore. 1828 *W. Baltimore St.*
Western High School. *Education* 21 B, 32, and 33.

RUTH MARTIN HARLAN. Baltimore. 1723 *Park Av.*
Goucher College. *Education* 3 and 4.

MARGARET ALICE HARNEY. Baltimore Co. *Pikesville.*
Mount St. Agnes' College. *Education* 22; *Music* 2.

MARY HARRELL. Bessemer City, N. C. 810 *Park Av.*
Queen's College (N. C.). *Education* 10; *English Composition* 1; *French* 5.

MARY ANDERSON HARRINGTON. Mullins, S. C. 810 *Park Av.*
Education 8, 10, and 23.

MILDRED ELIZABETH HARRISON. Baltimore. 720 *N. Carey St.*
Maryland State Normal School. *French* 5; *Geography* 2.

STANLEY EDWARD HARTMAN. Baltimore. *Pk. Hts. Av. & Taney Rd.*
Johns Hopkins University. *Classical Literature; Geography* 2; *Journalism* 1.

LYDIA ETHEL HARWARD. Harford Co. *Bel Air, R. D. No.* 1.
Bel Air High School. *Education* 27.

MYRTLE ELAINE HASLUP. Baltimore. 1916 *Kennedy Av.*
Eastern High School. *Education* 21 B; *Music* 1 and 2.

JAMES WARREN HASTINGS. Lynchburg, Va. 2623 *Greenmount Av.*
Lynchburg College. *Mathematics* 2 and 3.

NELL HAWKINS. Allegany Co. *Frostburg.*
Maryland State Normal School (Frostburg). *Education* 21 A; *English Literature* 2; *Home Economics* 2.

CAROLINE HAYDEN. Baltimore. 3932 *Edmondson Av.*
Johns Hopkins University. *Education* 2 and 11.

LOUIS WALTER HEATHCOTE. Anne Arundel Co. *Severn.*
Baltimore Polytechnic Institute. *Manual Training* 3, 4 and 5.

LAWRENCE WEIS HECHT. Harford Co. *Havre de Grace.*
B. S., St. John's College, 1921. *Chemistry* 1.

ESTELLE HEEDE. Baltimore. 2919 *E. Baltimore St.*
Eastern High School. *Education* 21 B, 32, and 33.

ROSE THERESA HEEDE. Baltimore. 2919 *E. Baltimore St.*
Eastern High School. *Education* 21 B, 32, and 33.

KATHERINE GOLL HELFRICH. Baltimore. 1401 *Park Av.*
A. B, Goucher College, 1919. *Education* 5 and 12; *Psychology* 2.

MARIE REGINA HELLMAN. Baltimore. 513 *E. 20th St.*
Immaculate Conception Academy. *Education* 21 A; *Home Economics* 1 and 2.

JOHN TIFFANY STANFIELD HELM. Carroll Co. *New Windsor.*
A. B., Blue Ridge College, 1921. *Education* 7, 15, and 17.

DOROTHY ELEEN HEMP. Baltimore Co. *Woodlawn.*
Maryland State Normal School. *Education* 21 B, 24, and 30.

RUTH ESMERALDA HEMP. Baltimore Co. *Woodlawn.*
Maryland State Normal School. *Education* 21 B, 24, and 30.

EMMA ELIZABETH HESSE. Baltimore. 1152 *E. North Av.*
Eastern High School. *Education* 21 B and 32; *Music* 1.

CARRIE WATKINS HEWITT. Baltimore. 2011 *Linden Av.*
Western High School. *Education* 21 B and 33.

MARY CORINNE HIBBERD. Carroll Co. *New Windsor.*
Home Economics 1 and 2; *Psychology* 2.

SISTER M. CLARISSA (HIGGINS). Baltimore. *Mt. Washington.*
Mt. St. Agnes College. *English Composition* 2; *History* 3.

MARTIN M. HIHN. Baltimore. 1303 *N. Longwood St.*
Johns Hopkins University. *Education* 25.

GRACE BROWN HILDEBRAND. Baltimore. 722 *Dolphin St.*
Education 21 B and 31; *Music* 1.

LEAH ELEANORA HILDEBRANDT. Baltimore. 2200 *N. Calvert St.*
Johns Hopkins University. *Biology* 1 and 2; *Home Economics* 1.

AGNES KRISE HILL (Mrs.) Baltimore. 1903 *Park Av.*
Music 1 and 2.

JANE WOODSIDE HILL. Baltimore. 1806 *N. Bond St.*
A. B., Goucher College, 1919. *Education* 8, 10, and 16.

LELIA MODESTA HILL. Baltimore. 1609 *John St.*
Baltimore Teachers' Training School. *Education* 21 B.

OLIVE UTT HILL (Mrs.) Baltimore. 129 *W. Mt. Royal Av.*
Education 10, 12, and 19.

DOROTHY ALBERTA HINRICHS. Baltimore. 2301 *Edgemont Av.*
A. B., Goucher College, 1920. *Education* 10, 19, and 21 A.

ELEONORE GESINE HINRICHS. Baltimore Co. *Woodbrook.*
German 2; *Home Economics* 2.

GEORGIA LEE HOBBS. Baltimore. 823 *N. Fremont Av.*
Western High School. *Education* 16, 21 A, and 21 B.

MOLLIE RAYME HOBBS. Baltimore. 823 *N. Fremont Av.*
Western High School. *Education* 21 A, 21 B, and 22.

M. NETTIE HOBLITZELL. Baltimore. 1519 *Park Av.*
Western High School. *Education* 13; *History* 3.

CHARLES EDWARD HODES. Baltimore. 725 *E. 21st St.*
Johns Hopkins University. *Biology* 1 and 2.

THOMAS IRVING HOEN. Baltimore. *Mt. Washington.*
Loyola High School. *Mathematics* 2 and 3.

RHODA ANN HOFFMAN. Baltimore Co. *Freeland.*
Baltimore Teachers' Training School. *Education* 21 B; *Music* 1.

THELMA TRENDEL HOFMEISTER. Baltimore. 2711 *N. Calvert St.*
Eastern High School. *Journalism* 2; *Music* 1.

MARY CATHERINE HOGAN. Baltimore. 3907 *Bateman Av.*
Eastern High School. *Education* 21 B, 32, and 33.

ELMER RHODES HOKE. Frederick Co. *Frederick.*
A. M., Johns Hopkins University, 1920. *Education* 1, 2, and 4.

MARY ELIZABETH HOLDEN. Baltimore. 616 *N. Arlington Av.*
A. B, Goucher College, 1898. *Education* 2 and 11.

LILLIAN MARIE HOLLJES. Baltimore. 3018 *N. Calvert St.*
Education 21 B and 31; *Music* 1.

LAVENIA ANDERSON HOLMES. Baltimore. 3013 *Presbury St.*
Home Economics 2.

RUTH GUYTON HOPKINS (Mrs.) Baltimore Co. *Overlea.*
Maryland State Normal School. *Education* 21 B, 24, and 30.

MAUD MAY HORN. Baltimore. *Glen Av. & Park Heights Av.*
Eastern High School. *Education* 21 B, 31 and 32.

ELLA META HORSTMEIER. Baltimore. 2904 *E. Baltimore St.*
Johns Hopkins University. *Education* 17; *German* 1.

META ERNESTINE HORSTMEIER. Baltimore. 2904 *E. Baltimore St.*
Johns Hopkins University. *Education* 17; *German* 1.

WILLIET FLETCHER HOUCK. Allegany Co. *Cumberland.*
Allegany High School. *Education* 17 and 21 A; *Home Economics* 2.

LOUISE KATHERINE HOUGHTON. Baltimore. 1719 *N. Calvert St.*
Western High School. *Biology* 1 and 2.

JULIAN COOPER HOWARD. Savannah, Ga. 319 *E. 28th St.*
Chemistry 1 (Lab.) and 2; *Education* 14.

FLORENCE MAY HUFNAGLE. Baltimore. 1214 *Bloomingdale Rd.*
Baltimore Teachers' Training School. *Education* 32; *Music* 1.

JESSE LUDY HUNSBERGER. Carroll Co. *Taneytown.*
A. B., Ursinus College, 1911. *Education* 8 and 14; *Economics* 1.

MARY CECILIA HUTCHINS. Baltimore. 3243 *Abell Av.*
Maryland State Normal School. *Education* 21 A and 30.

PHILENA MARTENET HUTTON. Harford Co. *Kingsville.*
B. S., Johns Hopkins University, 1918. *Education* 9; *French* 2 and 3.

RICHARD ELKINS HYDE. Martinsburg, W.Va. 2721 *Maryland Av.*
A. B., University of West Virginia, 1921. *Education* 2 and 5; *English Literature* 1.

EDNAH MAY HYNES. Baltimore. 315 *E. North Av.*
Baltimore Teachers' Training School. *English Composition* 1; *English Literature* 1; *Philosophy* 1.

RAYMOND SERGEANT HYSON. Baltimore. 1810 *N. Wolfe St.*
B. S., St. John's College, 1920. *Education* 12 and 23; *Politics* 2.

WARREN EDWARD IRVIN. Baltimore. 1210 *John St.*
Johns Hopkins University. *English Literature* 2; *History* 2; *Philosophy* 1.

SIMON LOUIS ISAACSON. Baltimore. 209 *S. High St.*
Baltimore Teachers' Training School. *Education* 16, 17, and 19.

ALVEY MICHAEL ISANOGLE. Westminster. *Western Maryland College.*
A. B., St. John's College, 1898. *Education* 5.

CATHERINE E. JACKSON. Baltimore. 717 *Roland Av.*
Maryland State Normal School. *Education* 21 B, 27, and 30.

CHARLES WILSON JACKSON, JR. Caroline Co. *Ridgely.*
University of Delaware. *Manual Training* 1 and 2.

DEBORAH AMELIA JACKSON. Cecil Co. *Principio Furnace.*
Johns Hopkins University. *Economics* 1; *Education* 22; *Music* 2.

MARY BLAINE JACKSON. Baltimore Co. *Pikesville.*
Maryland State Normal School. *Education* 21 B.

AURELIA JARNAGAN. Morristown, Tenn. 2804 *N. Calvert St.*
A. B., Mary Sharp College (Tenn.), 1876, and A. M., 1878. *Education* 8 and 10; *English Literature* 3.

HELEN JEFFERS. Baltimore Co. *Bengies.*
Maryland State Normal School. *Education* 15 and 17.

ETHEL SARAH JENKINS. Baltimore. 912 *S. Clinton St.*
Maryland State Normal School. *Education* 6 and 21 B.

WILEY WILLARD JENKINS. Garrett Co. *Oakland.*
Chemistry 3; *Psychology* 3.

CECILE JULIETTE JOHNSON. Garrett Co. *Oakland.*
Education 8; *English Composition* 1; *French* 1.

GUY JOHNSON. Cecil Co. *Chesapeake City.*
Cecil County High School. *Education* 2, 12, and 21 A.

MARY FLORENCE JOHNSON. Baltimore. 2008 *Harlem Av.*
A. B., Western Maryland College, 1921. *Music* 1 and 2.

ANNA JANE JOHNSTON. Baltimore. 2001 *Guilford Av.*
Eastern High School. *Education* 9, 15, and 20.

MEYER STANLEY JOLSON. Baltimore. 2002 *Madison Av.*
Johns Hopkins University. *Economics* 1; *Philosophy* 2; *Psychology* 3.

AMY JEANNETTE JONES. Baltimore. 1909 *E. Jefferson St.*
Cambridge High School. *Education* 19 and 27.

CHARLOTTE ABBOTT JONES. Baltimore. 2814 *Norfolk Av.*
A. B, Goucher College, 1903, and A. M., 1904. *Education* 2 and 11.

ETHEL LEE JONES. Wicomico Co. *Tyaskin.*
Maryland State Normal School. *Education* 9 and 10; *English Literature* 3.

JULIA WIGART JONES. Baltimore Co. *Catonsville.*
Maryland State Normal School. *Education* 6, 27, and 30.

MINOR KEITH JONES. Baltimore Co. *Mt. Washington.*
Johns Hopkins University. *Mathematics* 3.

ROSENA COLEDA JONES (Mrs.) Wicomico Co. *Pittsville.*
Wilmington Conference Academy. *Education* 8, 10, and 12.

SARAH ANNE JONES. Queen Anne Co. *Chester.*
St. Mary's Female Seminary. *Education* 24, 29, and 33.

ROSINA COBLENS JOSEPH. Baltimore. 1513 *Eutaw Pl.*
Baltimore Teachers' Training School. *Education* 18 and 20; *Psychology* 1.

DANIEL WEBSTER JUSTICE. Baltimore. 1226 *Belmont Av.*
Johns Hopkins University. *Economics* 1; *Philosophy* 1 and 2.

TILLIE KAHN. Baltimore. *Marlborough Apts.*
Western High School. *Education* 3.

ANNA ELIZABETH KANE. Baltimore. 1407 *Rosedale St.*
Western High School. *Education* 37.

LEBA KAPLAN. Baltimore. *Plymouth Hall Apts.*
A. B., Goucher College, 1918. *Education* 10, 13, and 16.

FRANCES KARABINOS. Baltimore. 511 *N. Madeira St.*
St. Wenceslaus School (Baltimore). *Economics* 1; *English Composition* 1.

CLARA M. KAST. Mechanicsburg, Pa.
A. M., Irving College, 1912. *Education* 8; *French* 2 and 5.

HELEN MABEL KAST. Mechanicsburg, Pa.
A. M., Irving College, 1912. *Education* 8; *Spanish* 2 and 3.

SAMUEL SUMMERS KATZ. Baltimore. 229 *S. Fulton Ave.*
Baltimore Polytechnic Institute. *Manual Training* 3, 4, and 5.

WILLIAM FREDERICK KAUFFMAN, JR. Baltimore Co. *Parkton.*
B. S., University of Wisconsin, 1917. *Education* 8 and 19; *Psychology* 1.

ETHEL VIRGINIA KAUFMAN. Frederick Co. *Brunswick.*
Brunswick High School. *Education* 23, 33, and 35.

ANNA CECILIA KAVANAUGH. Howard Co. *Ellicott City.*
Maryland State Normal School. *Education* 21 B, 31 and 33.

M. BINA KAVANAUGH. Baltimore. 1518 *Mt. Royal Av.*
Baltimore Teachers' Training School. *Education* 21 B and 24; Music 1.

MARY VERONICA KAVANAUGH. Howard Co. *Ellicott City.*
Maryland State Normal School. *Education* 6, 21 B, and 24.

NANNIE PAULINE KEATING. Queen Anne Co. *Centreville.*
A. B., Western Maryland College, 1896. *Education* 2; *French* 3.

LILLIAN MARIE KEEHNER. Baltimore. 817 *N. Mount St.*
Baltimore Teachers' Training School. *Education* 21 B; *Geography* 2.

ETTA MARGARET KEEN. Baltimore. 500½ *E. 42nd St.*
Eastern High School. *Education* 36 and 37.

BERNICE KEGAN. Baltimore. 200 *S. Patterson Pk. Av.*
Eastern High School. *Education* 7 and 21 B; *Manual Training* 6.

BERTHA KEININGHAM. Baltimore Co. *Overlea.*
Eastern High School. *History* 4.

HELEN LENORE KELLEY. Baltimore. 217 *E. Lafayette Av.*
Education 21 B; *Music* 1.

JOSEPHINE CATHERINE KELLEY. Baltimore. 1842 *W. Baltimore St.*
Baltimore Teachers' Training School. *Education* 16; *Journalism* 2.

L. JAMES KELLEY. Worcester Co. *Snow Hill.*
Maryland State Normal School. *Manual Training* 2.

ELIZABETH REBECCA KELLY. Baltimore. 2328 *E. Baltimore St.*
Maryland State Normal School. *Education* 21 B, 32, and 33.

JENNIE MARIE KELLY. Baltimore. 720 *E. 20th St.*
St. Vincent's Academy. *Education* 21 B; *Music* 1.

LILLIE ELMER KELLY. Baltimore Co. *Catonsville.*
Education 21 B, 27 and 32.

WILLIAM BECK KEMP. Baltimore Co. *Sparks.*
Agricultural High School. *Education* 2, 4, and 5.

CORA LOUISE KENDALL. Kent Co. *Rock Hall.*
Rock Hall High School. *Education* 33; *Manual Training* 6.

LULA M. KENNARD. Baltimore. 604 *N. Carey St.*
Western High School. *Education* 21 B and 32; *Music* 1.

MARIE JEANNETTE KERNAN. Baltimore. 1111 *Brentwood Av.*
Baltimore Teachers' Training School. *Education* 15; *English Literature* 1.

LULA HESTER KERR. Baltimore. 2130 *Bolton St.*
Maryland State Normal School. *Education* 16.

MARY CATHERINE KERR. Baltimore. 2130 *Bolton St.*
Maryland State Normal School. *Education* 21 B and 22.

CHARLES FREDERICK KESTING. Newburg, Ind. 2003 *Ramsay St.*
Eden Theological Seminary (Mo.). *Biology* 1; *German* 1; *Philosophy* 1.

NETTE KIMBERLIN. Howard Co. *Glenwood.*
State Normal School (Va.). *Education* 30; *Geography* 2.

BESSIE TULLULA KINCHELOE. Baltimore. 1411 *John St.*
New Windsor College. *Education* 21 B and 25.

GENEVE KINNEY. Larned, Kansas. 101 *Jackson Pl.*
A. B., University of Kansas, 1915. *French* 2 and 3.

ELIZABETH RUTH KLIPPEL. Baltimore. 542 *N. Carey St.*
Baltimore Teachers' Training School. *Geography* 2; *History* 3.

AUGUSTA KLOTZ. Baltimore. 3505 *Windsor Mill Rd.*
Western High School. *Music* 1 and 2.

BENJAMIN HOWARD KLOTZ. Baltimore. 2339 *Mondawmin Av.*
Johns Hopkins University. *Economics* 1; *French* 4; *Psychology* 1.

GRACE ELIZABETH KNELL. Baltimore. 4100 *Kate Av.*
Maryland State Normal School. *Education* 32 and 34; *Music* 1.

M. LOUISE KNOUSS (Mrs.) Baltimore. 3257 *E. Baltimore St.*
Baltimore Teachers' Training School. *Music* 2.

ANNA ELIZABETH KNOWLES. Delaware. *Greenwood.*
Women's College (Delaware). *English Literature* 3; *French* 5; *Geography* 2.

CHARLES H. KOLB. Garrett Co. *Oakland.*
A. M., Western Maryland College, 1905. *Education* 1 and 2; *German* 2.

ETTA KONITZKY. Baltimore. 4316 *Belvieu Av.*
Philadelphia Normal School. *Education* 21 B, 31, and 32.

WILBUR LEWIS KOONTZ. Frederick Co. *Westminster.*
A. M., St John's College, 1916. *Education* 8; *English Composition* 3; *French* 3.

GRACE AMANDA KRAMER. Baltimore. 319 *E. 25th St.*
B. S., Johns Hopkins University, 1921. *Education* 6 and 24; *Psychology* 2.

M. HELEN KRAMER. Baltimore. 319 *E. 25th St.*
Johns Hopkins University. *Education* 17 and 18; *Mathematics* 3.

RUTH ANN KRAMER. Baltimore. 319 *E. 25th St.*
A. B., Goucher College, 1916. *Education* 8 and 14.

MARGARET THERESA KRATZ. Baltimore. 744 *W. North Av.*
Johns Hopkins University. *Education* 19; *English Composition* 1; *Geography* 2.

EMANUEL KRIEGER. Baltimore. 129 *S. Broadway.*
D. D. S., University of Maryland, 1913. *Chemistry* 2.

DOROTHY RICHARDSON KRIETE. Harford Co. *Aberdeen.*
Goucher College. *Education* 32 and 33.

SAMUEL LOUIS KROTEE. Baltimore. 2616 *Hillside Av.*
Baltimore Polytechnic Institute. *Manual Training* 3, 4, and 5.

PAUL FRANKLIN KUHNS. Frederick Co. *Westminster.*
Manchester High School. *Education* 21 B, 24, and 35.

ROBERT HARRISON KUHNS. Carroll Co. *Manchester.*
Manchester High School. *Education* 21 A, 24, and 33.

SISTER MARY AUGUSTINE (KUPER). Baltimore. *Notre Dame of Md.*
A. M., Columbia University, 1912. *Education* 21 A.

LOUISE LACEY. Carroll Co. *Sykesville.*
Maryland State Normal School. *Education* 21 A, 27, and 30.

SANDER LACHMAN. Baltimore. 905 *Chauncey Av.*
A. B., Johns Hopkins University, 1921. *Education* 10, 15, and 18.

CLARE L'ALLEMAND. Baltimore. 307 *Southway.*
Maryland State Normal School. *Education* 10 and 15; *Psychology* 2.

NANNIE BERTHA L'ALLEMAND. Baltimore. 307 *Southway.*
Maryland State Normal School. *Education* 30; *German* 1.

EMERSON LAMB. Baltimore. 232 *Laurens St.*
A. B., Bryn Mawr College, 1912. *Classical Literature; Education* 27; *French* 1.

ANNIE MARIA LAMDIN (Mrs.) Baltimore. 610 *N. Fulton Av.*
Eastern High School. *Home Ecoonmics* 2.

ELEANOR WILLIAMS LAMOTTE. Baltimore. 2001 *Guilford Av.*
Baltimore Teachers' Training School. *Biology* 1; *Education* 30.

FLORENCE RAYMOND LANE. Baltimore. 416 *E. 22nd St.*
Western High School. *Education* 2, 4, and 17.

HELEN LANE. Baltimore Co. *Sparrow's Point.*
A. B., Goucher College, 1920. *Education* 8 and 14.

HATTIE CARRIE LANGLEY. Baltimore. 6019 *Foster Av.*
Maryland State Normal School. *Education* 15; *French* 4; *History* 3.

NEVA PHARES LANSDALE. Allegany Co. *Cumberland.*
A. B., Western Maryland College, 1914. *Education* 11; *Mathematics* 2 and 3.

AMELIA CAROLYN LANTZ. Baltimore Co. *Stemmers Run.*
Maryland State Normal School. *Education* 24 and 33; *Psychology* 2.

MARGUERITE CECELIA LAUTERBACH. Carroll Co. *Sykesville.*
Maryland State Normal School. *Education* 6, 21 B, and 24.

MARY EDITH LAWSON. Baltimore. 815 *Powers St.*
Maryland State Normal School. *Education* 15 and 16; *Geography* 2.

LILLIAN MABREY LEAGER. Kent Co. *Betterton.*
Home Economics 1; *Politics* 2.

KATHERINE LEAHY. Baltimore. 3010 *Elliott St.*
Holy Cross Academy. *Education* 21 B; *Music* 1.

LOIS MARGARET LEARY. Baltimore. 3433 *Guilford Ter.*
Washington College. *English Literature* 2; *History* 2; *Psychology* 1.

NANNIE CHEW LECOMPTE. Dorchester Co. *Cambridge.*
Cambridge Seminary. *Education* 32 and 33.

MARY ELIZABETH LEDENHAM. Delaware. *Bridgeville.*
University of Delaware. *Education* 9 and 10; *Economics* 3.

MINNIE VIRGINIA LEE. Baltimore. 1505 *Bolton St.*
Columbia University. *History* 2; *Psychology* 1.

MABEL PORTER LEEF. Baltimore. 1002 *Beaumont Av.*
Baltimore Teachers' Training School. *French* 5; *History* 3.

ANNA MARGUERITE MARIE LEHR. Baltimore. 2423 *Arunah Av.*
A. B., Goucher College, 1919. *French* 2; *Mathematics* 1.

MARY CUSHWA LEITER. Washington Co. *Williamsport.*
Williamsport High School. *Education* 21 B, 24, and 37.

ETHEL FLORENCE LEIZEAR. Baltimore. 1737 *N. Broadway.*
Baltimore Teachers' Training School. *Biology* 1 and 2.

ABRAHAM LESCHACK. Baltimore. 1411 *W. Fayette St.*
Johns Hopkins University. *Biology* 1 and 2.

FLORENCE LEVINSON. Baltimore. 21 *N. Broadway.*
Baltimore Teachers' Training School. *Education* 15; *Geography* 2.

IDA LEVINSON. Baltimore. 21 *N. Broadway.*
Baltimore Teachers' Training School. *French* 5; *Geography* 2.

FREDERICK ALBERT LEWIS. Alabama. *University.*
A. M., University of Alabama, 1916. *Mathematics* 2.

JOHN CHARLES LEWIS, JR. Baltimore. 4014 *Penhurst Av.*
Johns Hopkins University. *English Composition* 2; *Philosophy* 1.

FAITH REBECCA LIGHTNER. Baltimore. 2014 *N. Fulton Av.*
Western High School. *Music* 1 and 2; *Psychology* 2.

LEONARD NOEL LINSLEY. Baltimore. 120 *Jackson Pl.*
M. S., Columbia University, 1916. *German* 2.

MARGUERITE ELMORE LINTHICUM. Baltimore. 506 *E. 42nd St.*
Johns Hopkins University. *Biology* 1 and 2.

MARIE LUCILE LINTHICUM. Anne Arundel Co. *Annapolis.*
Johns Hopkins University. *Biology* 1 and 2.

AMY FRANCES LINTON. Baltimore. 220 *Oakmont Av.*
Maryland State Normal School. *Education* 4, 6, and 32.

FREDERICK WIESSNER LIPPS. Baltimore Co. *Catonsville.*
Johns Hopkins University. *Economics* 1; *Mathematics* 3; *Psychology* 2.

MARGARET ANNA LOCKARD. Carroll Co. *Westminster.*
Western Maryland College. *Education* 3 and 21 A; *Home Economics* 2.

MARY GENEVIEVE LOGUE. Baltimore. 4005 *Edmondson Av.*
St. John's Academy. *Education* 4, 21 B, and 22.

ALMA KATHERINE LONG. Washington Co. *Funkstown.*
Education 24, 33, and 34.

JAMES ANSON LONGAN. Baltimore. 1411 *W. Lexington St.*
B. S., St. John's College, 1920. *Education* 5, 11, and 14.

MYRTLE ELIZABETH LORENTZ. Baltimore. 1705 *Harlem Av.*
Home Economics 2.

LULA WILHELMINA MARGARET LOUIS. *Baltimore.* 1729 *E. Lanvale St.*
Johns Hopkins University. *Education* 32 and 33.

KATHERINE ADALAIDE LOVERING. Baltimore Co. *Pikesville.*
Reisterstown High School. *Geography* 2; *History* 1.

MADGE LOWERY. Brooklyn. 411 *Patapsco Av.*
Maryland State Normal School. *Education* 6, 27, and 30.

EMMA FLORENCE LUCKE. Baltimore. 3605 *Windsor Mill Rd.*
Western High School. *Education* 21 B.

EVARISTA MACPHERSON. Baltimore. 1625 *Edmondson Av.*
Baltimore Teachers' Training School. *Manual Training* 1 and 2.

HAMLINE BAKER MAGINNIS. Baltimore. 700 *E. 21st St.*
Johns Hopkins University. *Education* 6; *Psychology* 2 and 3.

GERTRUDE MAINZ. Baltimore. 138 *S. East Av.*
Education 21 B; *Home Economics* 2.

ELIZABETH MALE. Cornwall on-Hudson, N. Y., 1713 *Linden Av.*
Drexel Institute. *Home Economics* 1 and 2; *Psychology* 2.

WILLIAM CASSELL MALLALIEU. Baltimore. 2517 *Barclay St.*
A. B., Johns Hopkins University, 1920. *History* 1 and 2; *Politics* 2.

ADA OLIVIA MALLONEE. Baltimore Co. *Pikesville.*
Reisterstown High School. *Education* 21 B; *Home Economics* 2.

MARY ANN MANLEY. Allegany Co. *Midland.*
Beall High School (Frostburg). *Education* 4, 25, and 27.

FRANCES JOSEPHINE MANN. Baltimore. 2647 *N. Calvert St.*
Baltimore Teachers' Training School. *English Literature* 3; *History* 3; *Music* 1.

NATHA ANNETTE MANN. Baltimore. 2647 *N. Calvert St.*
B. S., Johns Hopkins University, 1919. *Education* 21 A; *English Literature* 1; *French* 4.

MARGARET LINTHICUM MANSFIELD (Mrs.) Baltimore. 10 *W. 25th St.*
Maryland State Normal School. *Education* 21 B and 33; *Manual Training* 6.

A. GERTRUDE MARTIN. Baltimore. 926 *N. Mount St.*
Maryland State Normal School. *Psychology* 2; *Spanish* 1 and 2.

ELLA JANE MARTIN. Baltimore. 2504 *Garrison Av.*
Education 21 B; *Home Economics* 2.

MARY FRANCES MARTIN. Harford Co. *Aberdeen.*
Eastern High School. *Education* 32 and 33.

MARY JOSEPH MARTIN. Baltimore. 4309 *St. Paul St.*
Education 21 B; *Home Economics* 1 and 2.

BONNIE MASON. Philippi, W. Va. 300 *E. 31st St.*
Broadus College (W. Va.). *Education* 21 B, 32 and 33.

MARTHA GERTRUDE MASON. Baltimore. 2304 *E. Biddle St.*
Baltimore Teachers' Training School. *Music* 1; *Politics* 1; *Psychology* 2.

ZOE MARGARET MASON. McConnellsburg, Pa. 2207 *St. Paul St.*
Johns Hopkins University. *Biology* 1 and 2.

MARY ELLEN MATHEWS. Baltimore. 1511 *Bolton St.*
Western High School. *Education* 21 B, 32 and 33.

HARRY JOSEPHUS MATHIAS. Carroll Co. *Westminster.*
Education 24, 33, and 35.

VIOLA VERNI MATTHEW. Clarksburg, W.Va. 810 *Park Av.*
Broadus College (W. Va.). *Music* 2.

JOSE RAFAEL MAYMI. San Juan, P. R. 706 *E. 30th St.*
Johns Hopkins University. *French* 5; *German* 3.

JOSEPH FRANK MCBEE. Washington Co. *Hagerstown.*
Maryland State Normal School. *Education* 2.

CLARENCE ALVEY MCBRIDE. Talbot Co. *Easton.*
A. B., St. John's College, 1905. *Education* 2, 4, and 6.

MINNIE ELIZABETH MCCABE. Baltimore. 1901 *N. Collington Av.*
Maryland State Normal School. *Education* 27 and 30; *Journalism* 2.

SISTER M. LOUISE (MCCABE) Baltimore. *Mt. Washington.*
St. John's Academy. *English Composition* 2; *History* 3.

ALICE RYAN MCCARDELL. Washington Co. *Williamsport.*
Holy Cross Academy. *Education* 21 B, 24, and 37.

FLORENCE ESTELLE MCCAULEY. Baltimore. 533 *N. Calhoun St.*
Maryland State Normal School. *Education* 21 B and 27; *Music* 1.

NETTIE MCCOLGAN (Mrs.) Baltimore. 205 *N. Kenwood Av.*
Eastern High School. *Education* 21 B.

LILLIAN ETHEL MCCORMICK. Baltimore Co. *Raspeburg.*
Boston University. *Biology* 1; *Philosophy* 1.

JOHN MCDAIRMANT. Baltimore. 125 *N. Linwood Av.*
Baltimore Polytechnic Institute. *Manual Training* 3 and 5.

KATHLEEN MCDERMITT. Allegany Co. *Mt. Savage.*
Maryland State Normal School (Frostburg). *Education* 6 and 27; *Spanish* 3.

GEORGIA WHITE MCDONNAL. Baltimore. 6 *White Av.*
Maryland State Normal School. *Education* 16, 18, and 19.

CLAIRE MCDOWELL. Baltimore. 1816 *W. Baltimore St.*
A. B., Goucher College, 1917. *Chemistry* 3.

ANNA AGNES MCGINN. Baltimore. 513 *E. 20th St.*
Eastern High School. *Education* 21 A; *History* 3.

MARJORIE MCGONIGLE. Baltimore. 1600 *Johnson St.*
Baltimore Teachers' Training School. *Education* 6, 21 B, and 25.

MARY JOSEPHA MCGUIGAN. Baltimore. 1116 *Mosher St.*
Maryland State Normal School. *Education* 6, 7, and 27.

HELEN AVERY MCILHENNY. Baltimore. 941 *W. Franklin St.*
Samuel Ready School. *Home Economics* 1.

BESSIE MCKENNA. Allegany Co. *Midland.*
Education 3 and 19; *Spanish* 3.

MARY AMELIA MCKINLEY. Baltimore. 5317 *Ready Av.*
Education 21 B; *Home Economics* 2.

ESTELLE MCLAUGHLIN. Baltimore. 1704 *Ellamont St.*
Western High School. *English Composition* 1.

IRENE ISABELLE MCLAUGHLIN. Baltimore. 405 *E. North Av.*
Baltimore Teachers' Training School. *English Composition* 1; *English Literature* 2; *Mathematics* 2.

COUCHITA MCLEAN. Baltimore. 310 *E. 22nd St.*
Home Economics 1 and 2.

CATHERINE MCLEOD. Baltimore. 1503 *N. Eden St.*
Eastern High School. *Education* 21 B.

HENRIETTA MCMAHAN. Talbot Co. *Easton.*
Trappe High School. *Education* 21 B, 24, and 35.

EMMA HASELTINE MECHEM. Baltimore. 712 *Newington Av.*
Johns Hopkins University. *English Composition* 2; *Journalism* 2.

HELEN RAY MEDAIRY. Baltimore. 2719 *St. Paul St.*
Johns Hopkins University. *Education* 16; *English Composition* 2; *English Literature* 2.

LIZETTA MEHRING. Baltimore. 431 *Rosedale Ter.*
Education 21 B.

HUGO MELE. Baltimore. 502 *N. Payson St.*
Baltimore Polytechnic Institute. *Education* 15; *Manual Training* 1 and 2.

SADIE MELTZER. Baltimore. 210 *S. Ann St.*
Baltimore Teachers' Training School. *Economics* 3; *Education* 27; *Music* 1.

IDA GILL MESSERSMITH. Baltimore. 811 *N. Arlington Av.*
Western High School. *Education* 25 and 28.

ANNIE CATHERINE MEUSHAW. Baltimore. 812 *Winston Av.*
B. S, Johns Hopkins University, 1920. *Education* 2; *History* 4.

MAUDE ELIZABETH MIDDLETON. Kent Co. *Rock Hall.*
Rock Hall High School. *Education* 33; *Manual Training* 6.

SAMUEL ATHERTON MIDDLETON. Queen Anne Co. *Centreville.*
Johns Hopkins University. *Economics* 3.

LEWIS WATERS MILBOURNE. Baltimore. 220 *E. North Av.*
Washington and Lee University. *Economics* 2; *History* 2; *Philosophy* 1.

EUGENE WHITELEY MILBY. Baltimore. 4300 *Penhurst Av.*
Baltimore Polytechnic Institute. *Education* 11; *English Composition* 1; *French* 5.

DAISY MILES. Somerset Co. *Upper Fairmount.*
Dover Academy (Del.) *Education* 6, 24, and 27.

VIRGINIA MILES. St. Mary's Co. *Pearson.*
St. Mary's Academy. *Education* 27 and 33.

GRACE THOMAS MILLAR. Baltimore. 1313 *N. Caroline St.*
Eastern High School. *Education* 21 B.

HELEN DAWSON MILLAR. Baltimore. 1719 *St. Paul St.*
Eastern High School. *Education* 21 B and 24.

FLORENCE GORDON MILLER. Baltimore. 3718 *York Rd.*
Affordby Normal School. *Education* 21 B and 31; *Music* 1.

FRED WILLIAM MILLER. Baltimore. 417 *E. 22nd St.*
Baltimore City College. *Education* 5; *German* 2.

H. AUGUSTUS MILLER, JR. Petersburg, Va. 4201 *Springdale Av.*
A. M., Delaware College, 1911. *Education* 1 and 8; *English Literature* 1.

ISABELLE MILLER. Baltimore. 3303 *Walbrook Av.*
Western High School. *Biology* 1; *English Composition* 3.

JULIA L. MILLER. Baltimore. 711 *Gladstone Av.*
Eastern High School. *Education* 16 and 21 A.

MAURICE WILLIAM MILLER. Summit Hill, Pa. 28 *Holland St,*
A. B., Franklin and Marshall College, 1916. *Chemistry* 1.

MAMIE JONES MILLS (Mrs.) Danville, Va. 802 *N. Carrollton Av.*
Southern Female College (Va.). *Education* 21 B and 27; *English Composition* 2.

EMMA MITCHELL. Baltimore. 809 *N. Fremont Av.*
Home Economics 2.

EMMA ELIZABETH MITCHELL. Baltimore. 2817 *N. Calvert St.*
Eastern High School. *Education* 3, 4, and 22.

FRANCES SARAH MITCHELL (Mrs.) Baltimore. 2305 *Orem Av.*
Western High School. *Education* 21 B; *Home Economics* 2.

MAGGIE ROSELLA MOLESWORTH. Baltimore Co. *Catonsville.*
Maryland State Normal School. *Education* 6, 21 B, and 24.

JOHN S. MONCURE. Baltimore Co. *Lutherville.*
A. B., Richmond College, 1905. *Education* 11; *English Literature* 3; *Mathematics* 2.

EMMA CLARKE MONROE. Baltimore. 134 *S. Bouldin St.*
Maryland State Normal School. *Education* 24; *History* 3.

MARY ELEANOR MOORE. Baltimore. 304 *N. Carey St.*
Western High School. *Music* 2.

GRACE MAGDALENE MOORE. Baltimore. 1327 *E. Eager St.*
Affordby Normal School. *Education* 8, 21 B, and 31.

HADASSAH J. MOORE. Montgomery Co. *Sandy Spring.*
Johns Hopkins University. *Education* 17; *English Literature* 3; *Philosophy* 1.

HERBERT AUBREY MOORE. Demossville, Ky. 3228 *Abell Av.*
Education 1, 4, and 8.

JULIA AMANDA MOORE. Baltimore. 1327 *E. Eager St.*
Affordby Normal School. *Education* 21 B and 31.

JOSEPH ALOYSIUS MORAN. Baltimore. 1821 *Harford Av.*
Johns Hopkins University. *History* 2; *Journalism* 2.

JIRO MORITA. Baltimore. 1420 *E. Chase St*
Economics 1; *Education* 8; *Psychology* 1.

MAME ISABELLA MORRISSY. Wauwatosa, Wis. 3105 *N. Calvert St.*
University of Wisconsin. *Education* 21 A.

ISABELLA WILHELMENA MUELLER. Baltimore. 1631 *Ashland Av.*
Chemistry 4; *English Literature* 2; *French* 5.

MARGARET ELEANOR MUELLER. Baltimore. 2935 *Walbrook Av.*
Baltimore Teachers' Training School. *Education* 25 and 28.

KATHERINE FRANCES MUESSE. Baltimore. 1248 *N. Broadway.*
Johns Hopkins University. *Education* 21 B, 22, and 31.

KATHERINE MULBACH. Baltimore. 834 *N. Fulton Av.*
Maryland State Normal School. *Education* 6 and 24; *English Composition* 1.

EVELYN CHILDS MULLER. Baltimore. 1834 *W. Baltimore St.*
Baltimore Teachers' Training School. *Education* 25 and 28.

JAMES CLAYLAND MULLIKIN. Baltimore. 2441 *N. Calvert St.*
Johns Hopkins University. *Journalism* 1 and 2; *Philosophy* 2.

EFFIE IRENE MURRAY. Baltimore. *Kate Av. and Pimlico Rd.*
Maryland State Normal School. *Education* 21 B and 22.

FRANCES EDNA MURRAY (Mrs.) Baltimore. 2210 *Roslyn Av.*
Western High School. *English Composition* 3.

LUCIE MYER. New York, N. Y. 919 *Harlem Av.*
Affordby Normal School. *Education* 21 B and 31; *Psychology* 2.

MABEL FRANCES MYERS. Baltimore. 1808 *Rutland Av.*
Eastern High School. *Music* 1.

ELLA NAYLOR. Baltimore. 2920 *St. Paul St.*
Baltimore Teachers' Training School. *Education* 21 B and 31.

MARIAN ALTHEA NELSON. Somerset Co. *Crisfield.*
Crisfield High School. *Biology* 1; *Economics* 1; *History* 3.

PETER CHARLES NEMPHOS. Baltimore. 1527 *E. Baltimore St.*
University of Maryland. *Biology* 1 and 2 (lab.); *Chemistry* 4; *German* 3.

MYRA POWELL NEVILLE. Allegany Co. *Westernport.*
Maryland State Normal School (Frostburg). *Education* 6; *English Composition* 1; *English Literature* 2.

CONSTANCE ELEANOR NICHOLS. Anne Arundel Co. *Annapolis.*
Education 24, 33, and 35.

MADGE NICKERSON. Newark, Del.
A. B., Women's College of Delaware, 1919. *Education* 9, 10, and 21 A.

CLINTON CRAWFORD NORMENT. Baltimore. 3543 *Chestnut Av.*
Western Maryland College. *Chemistry* 3; *History* 4.

ANNA BYRD NORRIS. Baltimore Co. *Fullerton.*
Towson High School. *Education* 24 and 33; *Psychology* 2.

ETHEL NORRIS. Baltimore. 10 *W. 25th St.*
Biology 1 and 2; *German* 3.

MARY OPIE NORRIS. Baltimore Co. *Fullerton.*
Maryland State Normal School. *Education* 24 and 30; *Psychology* 2.

ANNIE FRANKLIN NORTH. Baltimore. 2131 *N. Calvert St.*
Western High School. *Education* 3, 21 B, and 22.

FRANCES DOUB NORTH (Mrs.) Baltimore. 3409 *Morris Av.*
Johns Hopkins University. *Biology* 1 and 2.

MARY ALOYSIUS O'CONOR. Baltimore. 1119 *Valley St.*
Education 21 B; *Home Economics* 2.

ANNA LUE O'DELL. Baltimore Co. *Roslyn.*
Maryland State Normal School. *Education* 24, 27, and 30.

LOUISA OEH. Baltimore. 429 *E. 22nd St.*
Eastern High School. *Education* 21 B, 32, and 33.

MARION OLIVER. Baltimore. 1819 *Aisquith St.*
Education 21 A; *Manual Training* 2.

AGNES O'MALLEY. Baltimore. 1012 *E. Preston St.*
St. John's Academy. *Education* 21 A; *Home Economics* 2.

CLIFFORD ASHMEAD OOSTHUISEN. Baltimore. 3028 *St. Paul St.*
A. M., University of Capetown, 1920. *French* 5; *German* 3.

CELIA OPPENHEIMER. Washington, D. C. 1727 *Madison Av.*
A. B., Bryn Mawr College, 1919. *Education* 4, 13, 15, and 21 A.

OLIVIA ORAM OSBORN (Mrs.) Baltimore. 3901 *Brookline Av.*
Maryland State Normal School. *Education* 21 B, 25, and 27.

ISAAC LEWIS OTIS. Anne Arundel Co. *Jessup.*
A. B., New York University, 1899. *Education* 1 and 12.

GEORGE E. OTT. Washington, D. C. *St. Mary's Seminary.*
A. M., St. Mary's Seminary, 1918. *Chemistry* 1.

EARL MAURICE OTTO. Covington, Ky. 2840 *Guilford Av.*
A. M., University of Cincinnati, 1920. *Chemistry* 1.

BLANCHE OWENS. Wicomico Co. *Mardela Springs.*
Mardela High School. *Education* 24, 27, and 29.

EDNA OWENS. Wicomico Co. *Mardela Springs.*
Mardela High School. *Education* 24, 27, and 29.

ROBERT EDWARD OWINGS. Baltimore. 1733 *Linden Av.*
Johns Hopkins University. *Philosophy* 2; *Psychology* 3; *Spanish* 1.

DELLE RENNER PARKER (Mrs.) Baltimore Co. *Sparrows Pt.*
Maryland State Normal School, 1912. *Education* 6, 7, and 27.

GRACE DUDREA PARKER (Mrs.) Baltimore. 913 *St. Paul St.*
Johns Hopkins University. *English Literature* 3.

RICHARD ALEXANDER PARKER. Baltimore. 1633 *W. North Av.*
A. B., Johns Hopkins University, 1921. *Education* 10 and 15; *Spanish* 3.

RUTH PARKER. Anne Arundel Co. *Glen Burnie.*
Johns Hopkins University. *Education* 25 and 37; *Music* 2.

SUMNER ABRAHAMS PARKER. Baltimore. 913 *St. Paul St.*
Psychology 1.

JEANNETTE BRISCOE PARRAN. Baltimore. 1643 *N. Calvert St.*
Arundell School (Baltimore). *Education* 36; *English Composition* 1 and 3.

MARY MOORE PARRISH (Mrs.) Baltimore. 1746 *Park Av.*
A. B., Goucher College, 1905. *Education* 10 and 16; *English Composition* 2.

JAMES BAYARD PARSONS. Kent Co. *Rock Hall.*
A. B., Washington College, 1917. *Chemistry* 2; *Manual Training* 5.

ROSE LILLIAN PASTERNAK. Baltimore. 2325 *Maryland Av.*
A. B., Goucher College, 1920. *French* 1; *Music* 2.

MARY ALICE PATTERSON. Baltimore. 1725 *Madison Av.*
University of Utah. *Education* 21 B and 25; *History* 1.

BERNICE PEASLACK (Mrs.) Baltimore. 319 *E. 22nd St.*
Baltimore Teachers' Training School. *Education* 17, 21 B, and 24.

JOSEPH BRITTAIN PEERY. Bristow, Va. 677 *Columbia Av.*
A. B., Emory and Henry College (Va.), 1907. *Education* 5 and 11.

JEANNETTE V. PERKINS. Baltimore. 908 *W. Mulberry St.*
Maryland State Normal School. *Psychology* 1.

LULU CLARK PERRY (Mrs.) Washington Co. *Clear Spring.*
Washington County High School. *Education* 23, 27, 33, and 36.

ORRA ALMIRA PHELPS. Wilton, N. Y. 819 *Park Av.*
A. B., Mt. Holyoke College, 1918. *Chemistry* 1.

CAROLYN ELIZABETH PHILLIPS. Baltimore. 418 *Rosedale Ter.*
Education 25; *Music* 1.

MARGARET JANE PHILLIPS. Harford Co. *Rocks.*
A. B., Western Maryland College, 1918. *Education* 9; *English Literature* 3.

FLORENCE PHIPPS. Baltimore Co. *Towson*
Maryland State Normal School. *Education* 3, 21 B; *Music* 1.

EMMA HELENA PICKER. Baltimore. 2220 *W. North Av.*
Eastern High School. *Home Economics* 1.

MABEL A. PIELERT. Baltimore Co. *Bengies.*
St. John's Academy. *Education* 6, 21 B, and 24.

WILLIAM POLOWAY. Baltimore. 2352 *Frederick Av.*
Baltimore Polytechnic Institute. *Manual Training* 3, 4, and 5.

THOMAS WINSTON POND. Baltimore. 900 *Cathedral St.*
Johns Hopkins University. *Chemistry* 1; *French* 4.

MILDRED WARNER POPE (Mrs.) Wicomico Co. *Salisbury.*
A. B., Western Maryland College, 1914. *Education* 8, 9, and 10.

KATHERINE ANN PORTER. Allegany Co. *Frostburg.*
Maryland State Normal School. *Education* 11; *Economics* 3; *Psychology* 2.

ADARESTA THOMPSON POST. Baltimore. 1409 *John St.*
Western High School. *Education* 21 B, and 25; *Music* 2.

ETHEL MCCAW POST. Baltimore Co. *Fort Howard.*
English Literature 1.

CECILIA CHARLOTTE PRINCE. Baltimore. 3703 *Forest Park Av.*
Eastern High School. *Education* 21 B and 25; *Journalism* 2.

LILLIAN ELIZABETH PRITCHETT. Baltimore. 504 *Willow Av.*
Western High School. *Education* 21 B, 25, and 27.

COMMODORE PERRY PRYOR. Frederick Co. *Smithsburg.*
Manual Training 6; *Music* 1; *Psychology* 3.

KATHERINE BRADDOCK PYLES. Washington, D. C. 2521 *Md. Av.*
Education 3, 21 B, and 24.

CECILIA KATHERINE QUANDT. Baltimore. 900 *N. Gilmor St.*
Western High School. *Education* 19 and 20.

SISTER MARY ALBERTA (QUINN). New Bedford, Mass. *Mt. St. Agnes.*
Holy Family High School (Mass.). *Chemistry* 4.

CECILE IRENE RAINEY. Baltimore. 634 *N. Carrollton Av.*
Western High School. *Education* 21 B, 31, and 32.

MARION LIVINGSTON RAMSAY. Baltimore. 1204 *Mt. Royal Av.*
Classical Literature; English Composition 2.

CHARLES FREDERICK RANFT. Baltimore. *Sudbrook Park.*
A. M., Johns Hopkins University, 1912. *Education* 8.

GORDON NEVIN REBERT. Frederick Co. *Frederick.*
A. B., Franklin and Marshall, 1910. *Education* 8, 9, 15, and 21 A.

MYRLE CONAWAY RECK. Carroll Co. *Mt. Airy.*
A. B., Western Maryland College, 1919. *Education* 11, 14, and 15.

KENNETH REDE. Baltimore. 4 *Norwood Pl.*
Johns Hopkins University. *Education* 10; *Economics* 3.

MARY EMMA REED. Baltimore. 3606 *Gwynn Oak Av.*
Education 21 B and 31; *Psychology* 2.

VIOLA REED. Baltimore. 2736 *Mosher St.*
Baltimore Teachers' Training School. *Education* 17 and 19.

LILLIAN BERRY REESE. Baltimore. 4103 *Roland Av.*
Western High School. *Education* 13 and 16.

URSULA REESE. Baltimore. 1534 *Riverside Av.*
Baltimore Teachers' Training School. *Education* 16, 17, and 19.

MILTON LUTHER REGUS. Baltimore. 2240 *W. Baltimore St.*
Johns Hopkins University. *Biology* 1 and 2.

HATTIE REIFNER. Baltimore. 2910 *Winchester St.*
Eastern High School. *Education* 6, 21 B, and 25.

ALICE ANGELA REILLY. Baltimore. 804 *W. North Av.*
Education 21 B and 31; *Music* 1.

CECELIA REGINA REILLY. Baltimore. 804 *W. North Av.*
St. Vincent's Academy. *Education* 21 B and 32; *Music* 1.

ALICE ALMIRA REINDOLLAR. Baltimore. *Homewood Apts.*
Education 21 A; *Home Economics* 2.

MARY BLANCHE REINDOLLAR. Baltimore. *Homewood Apts.*
Baltimore Teachers' Training School. *Education* 16.

MILDRED DUKER REQUARDT (Mrs.) Baltimore. *University Apts.*
Girls' Latin School. *Journalism* 1 and 2.

LULA MCDOWELL RICHARDSON. Baltimore. 1102 *Brentwood Av.*
A. B., Goucher College, 1916. *Economics* 1 and 2; *French* 1.

MARGARET IRENE RICHMOND. Allegany Co. *Cumberland.*
Lonaconing High School. *Education* 23 and 24; *Music* 1.

MARTHA J. S. RICHMOND. Baltimore. 603 *Evesham Av.*
Education 21 B and 22.

EDGAR RIEMER. Herman, Pa. *St. Mary's Seminary.*
St. Fidelis Seminary. *Chemistry* 4; *French* 5; *Mathematics* 2.

JANE RIGGS (Mrs.) Asheville, N. C. 1628 *N. Calvert St.*
Convent of Mary Immaculate (Fla.). *Education* 21 B, 22, and 23.

FLORENCE RINK. Baltimore. 1513 *E. Federal St.*
Baltimore Teachers' Training School. *Education* 21 B, 32, and 37.

HELEN WATKINS RIPPARD. Baltimore. 1014 *W. Lanvale St.*
Western High School. *Home Economics* 1 and 2.

MARTIN ARNOLD ROBERTS. Baltimore. 2841 *St. Paul St.*
Johns Hopkins University. *Biology* 1 and 2.

ROSA LEE ROBERTS (Mrs.) Richmond, Va.
French 4; *Music* 1 and 2.

FRANK LEIGH ROBESON. Blacksburg, Va. 2735 *Maryland Av.*
M. E., Virginia Polytechnic Institute, 1905. *Mathematics* 1.

BERTHA MAY ROBINSON. Dorchester Co. *Cambridge.*
Cambridge High School. *Education* 2 and 5; *English Composition* 2.

HELEN EUGENIA ROBINSON. Baltimore. 513 *N. Carrollton Av.*
Maryland State Normal School. *Education* 33; *Journalism* 2; *Psychology* 2.

LEONORA ROBINSON. Baltimore. *Homewood Apts.*
Western High School. *Education* 21 B.

LOUISE ELIZABETH ROBINSON. Baltimore. 5721 *Bellona Av.*
Maryland State Normal School. *Education* 3 and 24; *Music* 1.

MARGARET BARROW ROBINSON. Harford Co. *Joppa.*
Education 21 B, 24, and 31.

SARAH LUCY ROCHE. Baltimore. 1815 *E. Lombard St.*
Johns Hopkins University. *Education* 21 B, 22, and 31.

LAURA VIRGINIA ROCK. Baltimore. 1720 *W. Lombard St.*
Western High School. *Education* 21 B and 32.

NETTIE RODENMAYER. Baltimore. 2704 *Maryland Av.*
Baltimore Teachers' Training School. *English Literature* 2; *Music* 1.

MARGARET GERTRUDE RODRICK. Frederick Co. *Jefferson.*
Education 21 A, and 27; *Philosophy* 1.

IDA EVANS ROGER. Mt. Vernon, N. Y. 2006 *Mt. Royal Terr.*
B. S., Columbia University, 1921. *Journalism* 2.

MARY EVANS ROGER (Mrs.) Amsterdam, N. Y. 2006 *Mt. Royal Terr.*
Education 7.

CAROLINE WALTERS ROGERS. Baltimore. 2520 *N. Charles St.*
Education 16 and 21 A; *Spanish* 3.

ELIZABETH ALLEN ROGERS. Mullins, S. C. 810 *Park Av.*
English Literature 2.

KATHERINE ROGERS. Baltimore. *Stonington Av.*
English Composition 1.

MARY ROGERS. Baltimore. 810 *N. Calvert St.*
Maryland State Normal School. *Biology* 1 and 2.

EDNA ROLKER. Baltimore. 612 *S. Paca St.*
Baltimore Teachers' Training School. *Education* 27; *English Composition* 2.

BENJAMIN RONES. Baltimore. 1509 *Laurens St.*
Johns Hopkins University. *Economics* 1; *Philosophy* 1 and 2.

ELSA ADELHEID ROSCHEN. Baltimore Co. *Reisterstown.*
Baltimore Teachers' Training School. *Education* 15; *History* 3; *Politics* 1.

ADELHEID FLORENCE ROSCHEN. Baltimore Co. *Reisterstown.*
Baltimore Teachers' Training School. *Music* 1; *Politics* 1; *Psychoolgy* 2.

MAX HARRY ROSENFELD. Baltimore. 1914 *E. Baltimore St.*
Johns Hopkins University. *Economics* 3; *Philosophy* 1.

MARY FLORENCE ROSENSTEEL. Baltimore. 1105 *Brentwood Av.*
St. John's Academy. *Education* 21 B; *Music* 1.

ELIZABETH JANE ROSS. Baltimore. 616 *N. Carey St.*
Western High School. *Education* 21 B and 32.

ELEANOR ROTH. Baltimore. 17 *N. Milton Av*
Baltimore Teachers' Training School. *Education* 15; *Geography* 1.

GRACE IRENE ROWE. Washington Co. *Smithsburg.*
A. B., Bridgewater College, 1914. *Education* 8, 10, and 12.

MARY ETHEL ROYER. Allegany Co. *Frostburg.*
Maryland State Normal School (Frostburg) *Education* 6; *English Composition* 1; *English Literature* 2.

NELLIE MAY ROYER. Allegany Co. *Frostburg.*
Maryland State Normal School (Frostburg). *Education* 6; *English Composition* 1; *English Literature* 2.

BENJAMIN HUGER RUTLEDGE, JR. Charleston, S. C. 2642 *N. Charles St.*
Johns Hopkins University. *Biology* 2; *French* 4.

MARY PAULINE RUTLEDGE. Cecil Co. *Perryville.*
Baltimore Teachers' Training School. *Education* 6, 21 B, and 31.

ANNIE EUGENIA SAFFELL. Howard Co. *West Friendship.*
Ellicott City High School. *Education* 21 B and 32.

ROBERT SALINGER. Baltimore. 2801 *W. North Av.*
B. S., University of California, 1921. *Chemistry* 1.

MAUD ELISABETH SALLOWS. Parkersburg, W.Va. 2316 *Druid Hill Av.*
B. S., University of California, 1916. *Education* 21 B.

GRACE SCHORR SANDERS. Baltimore. 152 *Wilson St.*
Western High School. *Education* 21 B and 22.

KATHARINE ELIZABETH SANDERS. Baltimore. 1808 *Madison Av.*
Western High School. *Education* 21 B and 32.

MAMIE SANTORA. Baltimore. 2233 *E. Monument St.*
St. James' School (Balt.). *Economics* 1; *English Composition* 1; *History* 3.

ELEANORA BENNETT SAUNDERS. Baltimore Co. *Towson.*
M. D., South Carolina Medical College, 1901. *German* 2.

JAMES BLAINE SCARBOROUGH. Anne Arundel Co. *Annapolis.*
A. M., University of North Carolina, 1914. *Mathematics* 1 and 2.

EMMA ADELINE SCHAD. Baltimore. 1804 *N. Calvert St.*
Baltimore Teachers' Training School. *Education* 24; *Psychology* 2.

HARRY SCHAD. Baltimore. 1804 *N. Calvert St.*
A. M., Johns Hopkins University, 1921. *Education* 1 and 12.

GERTRUDE MARGARET SCHANZE. Baltimore. 1910 *W. North Av.*
A. B., Goucher College, 1920. *Education* 15, 16, and 21 B.

RUTH SCHAPIRO. Baltimore. 3913 *Maine Av.*
A. B., Goucher College, 1920. *Education* 10, 12, and 15.

FRIEDA SCHARF. Baltimore. 914 *N. Stricker St.*
Baltimore Teachers' Training School. *Education* 21 B; *German* 2 and 3.

HELENA CLARA SCHARF. Baltimore. 914 *N. Stricker St.*
Baltimore Teachers' Training School. *Education* 19 and 21 A; *Geography* 2.

MARY SCHERR. Baltimore. 127 *N. Front St.*
Economics 1; *English Composition* 1; *History* 3.

CATHARINE DOROTHEA SCHIMPF. Baltimore Co. *Catonsville.*
Maryland State Normal School. *Spanish* 3.

CARL EDWARD WILLIAM SCHMEHL. Baltimore. 1813 *Baker St.*
Johns Hopkins University. *Education* 15 and 16; *English Literature* 2.

CAROLYN MARGARET SCHMIDT. Baltimore. 1500 *N. Eden St.*
Baltimore Teachers' Training School. *Education* 21 B, 32, and 33.

LOUISE SCHMIDT. Baltimore. 3918 *Liberty Hgts. Av.*
Western High School. *Education* 21 B; *French* 5; *Music* 2.

NELLIE SCHREIBER. Baltimore. 677 *Barre St.*
Education 21 B and 31.

BERNICE SCHUH (MRS.) Baltimore. 718 *N. Broadway.*
Eastern High School. *Education* 21 B and 25; *Music* 2.

WILLIAM SCHUMAN. Baltimore. 2305 *Brookfield Av.*
Johns Hopkins University. *Chemistry* 1

WILLIAM LOUIS SCHWARTZ. Baltimore. 411 *N. Charles St.*
Economics 1 and 2.

ALFRED PRESTON SCOTT. Baltimore. 403 *E. 28th St.*
A. B., University of Delaware, 1914. *Education* 12.

MARY JAYNE SCRIVNOR. Howard Co. *Dayton.*
Maryland State Normal School. *Education* 30; *Geography* 2.

MARGARET MOORE SEARCH. Baltimore. 1113 *N. Caroline St.*
Eastern High School. *Education* 10 and 21 A.

MARIE LOUISE SEARCH. Baltimore. 614 *E. 34th St.*
Eastern High School. *Manual Training* 3 and 4.

GERTRUDE AMELIA SEES. Baltimore. 2126 *Mt. Royal Ter.*
St. Catherine's Institute. *Chemistry* 4.

EDWARD CHARLES SEITZ. Carroll Co. *Westminster.*
A. B., Franklin and Marshall College, 1903. *Education* 2, 6, and 21 A.

MIAH ELIZABETH SEITZ. Baltimore. 3961 *Greenmount Av.*
Western High School. *Education* 16.

LETTY SELBY. Garrett Co. *Selbyport.*
Maryland State Normal School (Frostburg). *Education* 13, 21 A; *English Composition* 3.

ROSALIE MARY SEYMOUR. Anne Arundel Co. *Boone.*
Kansas High School. *Education* 18.

WILLIAM SHAFER. Baltimore. 2404 *N. Charles St.*
LL. M., Georgetown University, 1918. *Education* 8 and 12; *Politics* 1 and 2.

MARY EDNA SHAFFER. Boswell, Pa. 2614 *N. Charles St.*
Pennsylvania State Normal School. *Education* 21 B and 23; *English Literature* 3.

VIRGINIA MAE SHAFFER. Baltimore. 105 *S. Linwood Av.*
Baltimore Teachers' Training School. *Education* 13; *History* 2 and 3.

JACOB HIRAM SHAMBERGER. Baltimore. 1654 *Appleton St.*
Maryland State Normal School. *Education* 21 A, 22, and 25.

DOROTHY SHAPARD. Baltimore. 2934 *N. Calvert St.*
Western High School. *Psychology* 3.

EMMA OSANNE SHARP (Mrs.) Baltimore. 2809 *Guilford Av.*
Baltimore Teachers' Training School. *Education* 4 and 17.

ROBERT H. SHARPE. Baltimore. 2513 *N. Charles St.*
French 5; *Mathematics* 3.

LEONA GRACE SHATZER. Allegany Co. *National.*
Maryland State Normal School (Frostburg). *Education* 31 and 34; *Music* 1.

MARY SHAW. Baltimore. 916 *Madison Av.*
Maryland State Normal School. *Education* 21 B; *Music* 1.

ELLA ELIZA SHEETS. Baltimore. 2021 *Longwood St.*
Western High School. *Education* 21 B; *Home Economics* 2.

VICTORIA HAYDEN SHERIDAN (Mrs.) Baltimore Co. *Relay.*
Maryland State Normal School. *Education* 6, 27, and 30.

GEORGIA DAY SHERWOOD. Baltimore. 2131 *N. Calvert St.*
Johns Hopkins University. *Education* 19; *French* 2.

GERTRUDE TYSON SHIPLEY. Baltimore. 2134 *Bolton St.*
Baltimore Teachers' Training School. *Education* 7, 21 B, and 32.

LOUISA SHIPLEY. Baltimore. 1137 *N. Gilmor St.*
Western High School. *Education* 22; *History* 2.

EDWARD SICKEL. Baltimore. 4311 *Ready Av.*
Baltimore City College. *German* 2 and 3.

NANNETTE SILBERT. Baltimore. 2309 *McCulloh St.*
French 4 and 5.

MARY ELENORA SIMMONS. Baltimore Co. *Sparrow's Pt.*
Maryland State Normal School. *Education* 3 and 24; *History* 3.

JULES LINCOLN SIMONOVITZ. Baltimore. *Belvedere Hotel.*
Chemistry 2; *German* 3.

URSULA GRAY SLAUGHTER. Caroline Co. *Denton.*
St. Mary's Seminary. *Music* 1; *Politics* 2; *Psychology* 2.

BELLE GREENWOOD SMILEY. Baltimore. 3511 *Norwood Av.*
Western High School. *Education* 21 B, 31, and 32.

EDITH AMELIA SMITH. Baltimore. 6 *Fair Oaks Av.*
Johns Hopkins University. *English Literature* 2; *History* 2; *Mathematics* 2.

ELLA L. SMITH. Baltimore. 2528 *Madison Av.*
Maryland State Normal School. *Education* 15 and 22.

ETTA WALTERS SMITH. Baltimore. 2115 *W. North Av.*
Baltimore Teachers' Training School. *Education* 21 B and 25.

GEORGE FERDINAND SMITH, JR. Baltimore. 2011 *Eutaw Pl.*
A. M., University of Pennsylvania, 1921. *Psychology* 1 and 2.

GRACE EMILY SMITH. Baltimore. 2801 *Chelsea Ter.*
Eastern High School. *Education* 15; *English Composition* 1; *English Literature* 1.

MARGARET HELEN SMITH. Baltimore Co. *Towson.*
Notre Dame of Maryland. *Education* 6, 7, and 27.

MARIE LOUISE SMITH (Mrs.) Baltimore. 2930 *Clifton Av.*
Education 21 B; *Home Economics* 2.

MARY LORETTA SMITH. Baltimore. 1713 *Hollins St.*
Baltimore Teachers' Training School. *Education* 21 B.

MILDRED AUDREY SMITH. Carroll Co. *Westminster*
Eastern High School. *Education* 32, 33, and 35.

NELLIE C. SMITH. Baltimore. 3033 *Windsor Av.*
Education 19; *Geography* 1.

VIOLA MARTHA SMITH. Baltimore. 321 *S. Stricker St.*
Belleville (Wis.) Normal School. *Education* 24 and 30; *Psychology* 2.

CLARA EVA SMITHSON. Baltimore. 1333 *W. Lafayette Av.*
Maryland State Normal School. *Education* 22; *History* 2.

JESSIE LEITCH SNOW. Baltimore. 424 *Roland Av.*
Classical Literature; English Composition 3; *Psychology* 2.

AGNES SNYDER. Baltimore. 2401 *Shirley Av.*
Johns Hopkins University. *French* 2 and 3; *History* 2.

MARIE BUSCHMAN SNYDER. Baltimore. 1906 *W. Franklin St.*
Baltimore Teachers' Training School. *Education* 32 and 33.

IDA GERTRUDE SORAN. Baltimore. 1 *N. Kenwood Av.*
Eastern High School. *Education* 21 B and 32; *Psychology* 2.

RUSSEL HAUER SOWERS. Washington Co. *Hagerstown.*
Washington County High School. *Manual Training* 1 and 6.

MARY SPALDING. Baltimore. 2127 *N. Calvert St.*
Eastern High School. *Education* 21 B.

WALTER SPARKLIN. Caroline Co. *Denton.*
Education 8, 11, and 14.

CLINTON HALL SPURRIER. Baltimore. *Hillsdale.*
Education 3, 21 B, and 22.

AGNES ADAMS STACK. Baltimore. 308 *E. Lafayette Av.*
Baltimore Teachers' Training School. *Education* 33 and 37.

SAM STAIMAN. Baltimore. 1017 *E. Pratt St.*
Baltimore Teachers' Training School. *Education* 21 B and 25.

MARGARET REBECCA STALEY. Baltimore. 835 *Harlem Av.*
Baltimore Kindergarten Association. *Education* 21 B and 31.

ELIZABETH MATTINGLY STALNAKER. Huntington, W.Va. *H'mw'd Apts.*
A. M., Columbia University, 1915. *Education* 6 and 7; *Psychology* 1 and 2.

EDWARD GUY STAPLETON. Baltimore. 2518 *Maryland Av.*
B. S. in Eng., Johns Hopkins University, 1918. *Education* 5 and 8.

WILLIAM PERRY STEDMAN. Baltimore Co. *Catonsville.*
A. B., Trinity College (Conn.), 1905. *Education* 8.

EDWIN DONALD STEIN. Baltimore. 3111 *Abell Av.*
Johns Hopkins University. *Chemistry* 1.

GLENNAE LIND STEMBRIDGE. Chase City, Va. 520 *Park Av.*
Music 1 and 2.

ALMA LEE STEPHENS. Baltimore. 1216 *W. Fayette St.*
Baltimore Teachers' Training School. *Education* 32; *Music* 1.

FRANCES LOUISE STEVENS. Baltimore. 1529 *Park Av.*
Maryland State Normal School. *Education* 25.

PAUL BRADLEY STEVENS. Baltimore. 230 *Light St.*
Johns Hopkins University. *History* 4; *German* 3.

SAMUEL NORVELL STEVENS. Baltimore. 230 *Light St.*
A. B., Wesleyan University, 1920. *Classical Literature; Economics* 1.

MABEL LEIGH STEPHENSON. Cecil Co. *Port Deposit.*
Home Economics 1 and 2.

PEARL MARGARET STEVENSON. Baltimore Co. *Parkton.*
Maryland State Normal School. *Education* 31, 33, and 37.

LILLIE MAY STIEG. Baltimore. 3142 *Elmora Av.*
Baltimore Teachers' Training School. *Education* 17 and 29.

MABEL DIANA STIFLER. Baltimore Co. *Parkton.*
Maryland State Normal School. *Education* 32, 33, and 34.

MARSHALL STITELY. Baltimore. 1532 *Linden Av.*
Maryland State Normal School. *Education* 15 and 22.

LILLIAN CATHERINE STONEHAM. Molush, Va. 1614 *Ruxton Av.*
English Literature 3; *Politics* 1.

ESTELLE BIDDLE STRANG. Kent Co. *Rock Hall.*
Education 4 and 37.

WILLIAM ALFRED PARTRIDGE STRANG. Kent Co. *Rock Hall.*
Chemistry 2; *Education* 2; *French* 4.

WILLIAM LOUIS STRAUS, JR. Baltimore. *Alhambra Apts.*
A. B., Johns Hopkins University, 1920. *Chemistry* 1.

VIOLA STRAWBRIDGE. Fawn Grove, Pa. 5320 *York Rd.*
Education 29 and 37; *Politics* 2.

ANNA AUGUSTA STUCKERT. Baltimore. 527 *N. Milton Av.*
Baltimore Teachers' Training School. *German* 1; *Music* 2.

JOHANNA EMILIE STUDE. Baltimore Co. *Catonsville.*
A. B., Goucher College, 1915. *Education* 5; *French* 2; *Psychology* 2.

SPENCER CLARENCE STULL. Frederick Co. *Frederick.*
Millersville Normal School. *Chemistry* 1; *Education* 7.

ELEANOR SULTZER. Baltimore. 415 *E. Lafayette Av.*
Eastern High School. *Education* 21 B, 32, and 33.

MARY FRANCES SULTZER. Baltimore. 415 *E. Lafayette Av.*
Baltimore Teachers' Training School. *Education* 6 and 27; *Manual Training* 6.

SADIE SUMMERS. Washington Co. *Hagerstown.*
Washington Co. High School. *Education* 32; *Music* 1; *Psychology* 3.

DELIA CARROLL SULTZER SUTTON (Mrs.) Baltimore. 18 *E. 21st St.*
Eastern High School. *Education* 21 B and 33.

JOHN JOSEPH SWEENEY. Baltimore. 101 *E. 33rd St.*
A. B., Loyola College, 1921. *Chemistry* 1.

HONORA MACKENZIE TALBOTT. Baltimore. *St. Paul Apts.*
Friends' School. *Education* 7.

LENA ADELE TALBOTT. Baltimore. *St. Paul Apts.*
Western High School. *Education* 21 A, 21 B, and 25.

KATHARINE LEOMA TAMES. Baltimore. 5304 *Harford Rd.*
Maryland State Normal School. *Education* 15 and 17; *Mathematics* 2.

CLARA VIRGINIA TAPMAN. Baltimore Co. *Catonsville.*
Maryland State Normal School. *French* 2; *Spanish* 3.

BESSIE TAYLOR. Baltimore. 1204 *N. Eden St.*
Baltimore Kindergarten Training School. *Education* 21 B and 31; *Psychology* 2.

IDA LUCILE TAYLOR. Harford Co. *Jarrettsville.*
Jarrettsville High School. *Education* 21 B and 35.

JOHN CAREY TAYLOR. Baltimore. 1245 *N. Broadway.*
Johns Hopkins University. *Education* 15; *History* 3 and 4.

RACHAEL MARIE TAYLOR. Kent Co. *Chestertown.*
Chestertown High School. *Education* 33 and 35.

RUTH TAYLOR. Baltimore. 3303 *Windsor Mill Rd.*
A. B, Goucher College, 1911. *Education* 10 and 21 A.

WILLIAM EDWARD FISHER TAYLOR. Baltimore. 1827 *Linden Av.*
Baltimore City College. *Education* 16 and 21 A.

MARTHA GLADSTONE TEMPLE (Mrs.) Prince George Co. *Riverdale.*
A. B., University of Nebraska, 1907. *Education* 2, 5, and 8.

ISADOR BARNARD TERLITZKY. Baltimore. 429 *N. Broadway.*
Johns Hopkins University. *Chemistry* 4.

FLORENCE THALHEIMER. Baltimore. *Esplanade Apts.*
Western High School. *Education* 21 B and 22; *French* 4.

LOUISE EMILIE THALWITZER. Baltimore. 3405 *Piedmont Av.*
Maryland State Normal School. *Economics* 1; *French* 1 and 3.

BERNARD EVANS THOM. Fredericksburg, Va. 213 *E. North Av.*
Episcopal High School. *Education* 3, 23, and 24.

DELMA SUMWALT THOMAS. Baltimore. 825 *William St.*
Western High School. *Education* 10 and 21 A.

DOROTHY LITTLE THOMAS. Baltimore. 350 *University Pkwy.*
Baltimore Teachers' Training School. *English Literature* 2.

MARY THOMAS. Atlanta, Ga. 8 *W. 25th St.*
Politics 1 and 2.

LIDA LEE THOMASON. Baltimore. 1634 *Ellamont St.*
Western High School. *Education* 13, 24, and 25.

EMMA SOPHIA THOMPSON (Mrs.) Baltimore. 321 *Chapanoke Rd.*
Manual Training 3, 4, and 5.

MYRTLE IRENE THOMPSON. Kent Co. *Rock Hall.*
Rock Hall High School. *Education* 33; *Manual Training* 6.

ZELMA GAMBRILL THOMPSON. Baltimore. 2730 *N. Charles St.*
Baltimore Kindergarten Training School. *Education* 21 B and 31; *Music* 1.

CARRIE MARIE THORNBURG. Baltimore. 1713 *Linden Av.*
B. S., Wilmington College, 1907. *Home Economics* 1 and 2; *Psychology* 2.

EMMA THURLEY. Baltimore Co. *Catonsville.*
Maryland State Normal School. *Education* 21 A, 21 B, and 22.

MILDRED LUCILLE TINGLE. Baltimore. 2905 *Guilford Av.*
Johns Hopkins University. *French* 2; *Music* 2.

CHARLOTTE LOUISE TIPTON. Harford Co. *Jarrettsville.*
A. B., Western Maryland College, 1918. *Education* 11; *Spanish* 3.

LAURA PHELPS TODD (Mrs.) Baltimore. 1623 *Bolton St.*
Maryland State Normal School. *Education* 22.

WILLIAM MICHAEL TOOHEY. Baltimore. 350 *Cathedral St.*
Ammendale Normal Institute. *Embryology* (Lab.); *Chemistry* 1 (Lab.).

EDITH TOTTEN. Montgomery Co. *Boyds.*
A. M., Columbia University, 1919. *Biology* 1 and 2.

WILLIAM GRAINGER TOTTERDALE. Baltimore. 24 *York Court.*
Johns Hopkins University. *German* 3; *Philosophy* 2; *Politics* 1.

ERIC BERESFORD TOWNSEND. Baltimore. *Roland Park.*
Chemistry 3; *Philosophy* 1; *Spanish* 3.

MARGARET ANNE TRAVERS. Wicomico Co. *Nanticoke.*
Maryland State Normal School. *Education* 31, 32, and 33.

ALICE SUSANNAH TRIPLETT. Baltimore Co. *Owings Mills.*
Education 24, 27, and 33.

THOMAS HENRY TRUITT. Wicomico Co. *Pittsville.*
Maryland State Normal School. *Education* 11, 14, and 16.

BERTHA WILLIAMS TUCKER. Baltimore. 1527 *Park Av.*
Eastern High School. *Education* 25.

GERTRUDE E. TUCKER. Baltimore. 14 *E. Lexington St.*
Johns Hopkins University. *English Composition* 3; *French* 5; *History* 4.

ISABEL REEVES TUCKER (Mrs.) Centreville. *Queen Anne Co.*
Centreville High School. *Education* 3, 21 B, and 28.

MABEL AMELIA TUDOR. Baltimore. 601 *N. Carrollton Av.*
Home Economics 2.

LAURA LOUISE TYDINGS. Anne Arundel Co. *Earleigh Hts.*
Maryland State Normal School. *Education* 21 B and 32; *Music* 1.

GEORGE EDWARD URBAN. Baltimore Co. *Westport.*
English Composition 1, 2, and 3.

CHARLES LEE UTTERBACK. Brunswick. *Frederick Co.*
Brunswick High School. *Manual Training* 1 and 2.

VICTORIA VAIDEN. Baltimore. 3918 *Clover Hill Rd.*
State Normal School (Va.). *Home Economics* 1.

LENA CHEW VAN BIBBER. Baltimore. 129 *E. North Av.*
B. S, Columbia University, 1917. *Economics* 1; *Education* 30; *Politics* 1.

ALMA MARIE VANDERMAST. Baltimore Co. *Colgate.*
Maryland State Normal School. *Education* 6, 24, and 27.

IDA MAY VAN FOSSON. Anne Arundel Co. *Glen Burnie.*
Education 21 B, 32, and 33.

FREDERICK JOSEPH VAN SLYKE. Baltimore Co. *Overlea.*
LL. B., University of Maryland, 1920. *English Composition* 3; *English Literature* 2; *Politics* 1.

ELLEN MERRITT VINCENT. Baltimore Co. *White Marsh.*
Maryland State Normal School. *Education* 32 and 33; *Psychology* 2.

EMMA MAY WAIDNER. Baltimore. 504 *N. Carrollton Av.*
Western High School. *Education* 21 B and 32.

JAMES MELVIN WALBECK. Baltimore. *St. James Apts.*
A. B., St. John's College, 1919. *Education* 12; *English Composition* 1; *History* 2.

SAMUEL KENDIG WALLACE. Baltimore. 2839 *Walbrook Av.*
Johns Hopkins University. *Economics* 3; *Geography* 1; *German* 2.

NANNIE RODEFFER WALTER. Baltimore. 2318 *N. Charles St.*
Education 6 and 21 B.

GEORGE WASHINGTON WARD. Baltimore. 31 *Talbot Rd.*
Ph. D., Johns Hopkins University, 1897. *Education* 2 and 12.

ELLA LOUISE WARDEN. Baltimore. 125 *W. Lafayette Av.*
Western High School. *Home Economics* 2.

ESTA VIOLA WAREHEIM. Baltimore. 3022 *Belmont Av.*
A. B., Lebanon Valley College, 1916. *Chemistry* 4.

LETTILDA IRENE WAREHEIM. Baltimore. 3022 *Belmont Av.*
Affordby Normal School. *Education* 21 B and 31.

HENRIETTA WARNER. Baltimore Co. *Pikesville.*
Reisterstown High School. *Politics* 1 and 2.

LIDA ELLEN WATKINS. Baltimore. 908 *W. Mulberry St.*
Western High School. *Education* 22 and 25.

ROBERT SYDNEY WATKINS. Cecil Co. *Elkton.*
Johns Hopkins University. *French* 4; *Journalism* 1 and 2.

EDNA ELIZABETH WATSON. Baltimore. 1203 *W. Franklin St.*
Baltimore Teachers' Training School. *Education* 10; *English Composition* 1; *English Literature* 2.

HELEN WRIGHT WATSON (Mrs.) Cecil Co. *Perryville.*
Ph. B., Dickinson College, 1903. *Education* 4, 6, and 14.

EMMA MARGUERITE WEAVER. Baltimore Co. *Hamilton.*
Baltimore Kindergarten Training School. *Education* 21 B and 31.

MARY EVELYN WEBB. Harford Co. *Havre de Grace.*
A. B., Goucher College, 1920. *Education* 15; *French* 2.

HELEN AIMEE WEBER. Baltimore. 1302 *W. Lexington St.*
Western High School. *Economics* 1; *English Composition* 3.

KATHERINE ELEANOR WEBSTER. Baltimore. 900 *Madison Av.*
Johns Hopkins University. *Geography* 2; *History* 3.

RACHEL DAVIS WEBSTER. Dorchester Co. *Hurlock.*
A. B., Goucher College, 1920. *Education* 10 and 13.

LOUISA AVA WEEDON. Baltimore. 1306 *W. Lexington St.*
Johns Hopkins University. *Education* 20; *English Literature* 2; *History* 2.

MARIE ANTOINETTE WEIDENHAMMER. Baltimore. 213 *S. Calhoun St.*
B. S., Johns Hopkins University, 1921. *Education* 21 A; *History* 1 and 2.

ELSA WEILEPP. Baltimore. 801 *N. Fulton Av.*
A. B., Goucher College, 1920. *Education* 19; *French* 4.

CLAUDE OSCAR WEIMER. Garrett Co. *Mountain Lake Park.*
Fort Hays State Normal School (Kansas). *Education* 6, 21 B, and 24.

FLORENCE ELIZABETH WELLS. Baltimore. 7 *Dolfield Av.*
Western High School. *Education* 15; *Mathematics* 2 and 3.

GRACE E. WELLS. Baltimore. 7 *Dolfield Av.*
Western High School. *Education* 15; *Mathematics* 2 and 3.

REBEKAH JANE WHALEN. Baltimore. 1500 *Harlem Av.*
A. B., Goucher College, 1917. *German* 1 and 2.

ANNA MARIE WHELAN. Baltimore. 1418 *W. Mulberry St.*
A. B., Goucher College, 1918. *French* 2; *Mathematics* 1.

LORETTA ELIZABETH WHELAN. Baltimore. 1412 *W. Mulberry St.*
A. B., Goucher College, 1920. *Education* 8 and 15; *French* 2.

ANNA MILDRED WHEELER. Baltimore. 2008 *Harlem Av.*
A. B., Western Maryland College, 1921. *Education* 9 and 15; *English Composition* 1.

BEULAH MAY WHITE. Somerset Co. *Deal's Island.*
Deal's Island High School. *Biology* 1 and 2.

THEODORE EVANS WHITELEY. Baltimore. 507 *Beaumont Av.*
Johns Hopkins University. *English Literature* 2; *German* 3.

WILLIAM HENRY WHITING. Hampden-Sidney, Va. 2717 *Oak St.*
A. M., Hampden-Sidney College, 1882. *Spanish* 1, 2, and 3.

OTHO MARVIN WHITMORE. Baltimore. 2204 *Montebello Av.*
A. M., Randolph Macon College, 1904. *Education* 11 and 23; *Mathematics* 3.

IDA AMELIA WHOLEY. Baltimore. 2116 *N. Charles St.*
Maryland State Normal School. *Education* 21 A; *Home Economics* 1 and 2.

HAROLD CARLETON WICKARD. Allegany Co. *Cumberland.*
B. S., Washington College, 1920. *Chemistry* 1.

LILIAN MAUD WIDERMAN. Baltimore Co. *Roslyn.*
Maryland State Normal School. *Education* 27, 30, and 33.

CLARA WIGHTMAN. Baltimore. 1614 *Bolton St.*
Eastern High School. *Education* 21 B, 24, and 25.

VIRGINIA WIGHTMAN. Baltimore. 1614 *Bolton St.*
Eastern High School. *Education* 10, 27, and 25.

EVELYN THEODORA WILCOX. Baltimore. 120 *E. 25th St.*
A. B., Goucher College, 1921. *Education* 9 and 10; *Spanish* 2.

BERTHA MAGDALINE WILD. Baltimore. 512 *E. 28th St.*
Education 21 B; *Home Economics* 2.

HOWARD WILLIAM WILKINS. Baltimore. 730 *N. Monroe St.*
Manual Training 1 and 2.

OSCAR STEVENSON WILKINSON. Wash., D. C. 2632 *N. Charles St.*
Johns Hopkins University. *Chemistry* 1.

DORA WILL. Baltimore. 6005 *Ready Av.*
Maryland State Normal School. *Education* 24 and 33; *Psychology* 2.

HATTIE MAY WILLET. Carroll Co. *Westminster.*
Johns Hopkins University. *Education* 21 B and 33; *German* 2.

EDWIN JAMES WILLIAMS. Jackson, Ga. *Fort Howard.*
B. S., Virginia Military Institute, 1920. *Journalism* 2.

ELIZABETH VIRGINIA DARE WILLIAMS. Baltimore. 711 *Newington Av.*
Manual Training 3, 4, and 5.

SISTER M. IRENE (WILLSON). Baltimore. *Mt. Washington.*
Mt. St. Agnes' College. *Education* 22; *English Composition* 2.

JANE DOUGHERTY WILSON. Somerset Co. *Princess Anne.*
Princess Anne High School. *Education* 17, 22, and 28.

MARY JOSEPHINE WILSON. Baltimore. 238 *N. Carey St.*
Western High School. *Education* 21 B.

RUTH WILSON. Dorchester Co. *Cambridge.*
Maryland State Normal School. *Education* 24 and 36.

JOHN ERNEST WIMMER. Baltimore. 534 *N. Fulton Av.*
Baltimore Teachers' Training School. *Biology* 1; *Chemistry* 4.

ROSALIE WINDSOR. Baltimore Co. *Towson.*
Education 7.

MARGUERITE BALLS WIRTH. Baltimore. *Guilford Ter.*
Western High School. *English Composition* 1; *Manual Training* 3 and 4.

JOHN ARTHUR WISNER. Baltimore Co. *Upperco.*
Johns Hopkins University. *Economics* 2; *Politics* 1 and 2.

AGATHA WITTE. Allegany Co. *Mt. Savage.*
Maryland State Normal School (Frostburg). *Education* 6 and 35; *English Literature* 3.

MARY TERESA WITTE. Allegany Co. *Mt. Savage.*
Maryland State Normal School (Frostburg). *Education* 6 and 32; *Spanish* 3.

MINNIE JOHANNA WITTHAUS. Baltimore. 3621 *Greenmount Av.*
Education 21 B and 27; *German* 3.

HELENE MARGUERITE WITTMAN. Baltimore. 2726 *Wilkins Av.*
Western High School. *Journalism* 1 and 2.

NEAL WOLBARSHT. Baltimore. 2022 *Madison Av.*
Baltimore City College. *Economics* 1 and 2.

ANNA WOLFE. Frederick Co. *Union Bridge*
Maryland State Normal School. *Education* 21 B and 24.

TOWNLEY ROBEY WOLFE. Baltimore. 4003 *Forest Park Av.*
Maryland State Normal School. *Education* 3 and 22.

HAZEL WOOD (Mrs.) Baltimore. 2034 *Park Av.*
Education 4.

MOLLY WESTON WOOD. Baltimore. 4110 *Roland Av.*
A. B., Goucher College, 1907. *Education* 2; *English Literature* 1.

EVA MYRTLE WOOLFORD. Baltimore. 2122 *E. Baltimore St.*
Johns Hopkins University. *English Literature* 3; *Philosophy* 1 and 2.

STANLEY WORDEN. Baltimore. 1844 *Saratoga St.*
Johns Hopkins University. *Chemistry* 1.

HARRIET E. WORTHINGTON. Baltimore. 2315 *W. Lanvale St.*
Maryland State Normal School. *Education* 21 A, 21 B, and 22.

FRANK LYNWOOD WREN. Chattanooga, Tenn. 2735 *Maryland Av.*
A. B., University of the South, 1915. *Mathematics* 2.

E. RUTH WRIGHT. Baltimore. 4023 *Belle Av.*
Baltimore Teachers' Training School. *Education* 32; *English Composition* 1.

FANNIE CATHERINE WRIGHT. Baltimore. 4023 *Belle Av.*
Baltimore Teachers' Training School. *Education* 21 B and 25; *Music* 1.

HELEN WRIGHT. Baltimore. 2902 *Allendale Rd.*
Baltimore Teachers' Training School. *Education* 16.

KATHERINE ALICE WRIGHT. Baltimore. 1906 *Warwick Av.*
Baltimore Teachers' Training School. *English Literature* 1; *Philosophy* 1 and 2.

WILLIAM ALLEN WRIGHT. Baltimore. 2501 *Barclay St.*
Baltimore City College. *History* 4; *Mathematics; Spanish* 3.

ALICE WYMAN. Baltimore Co. *Ruxton.*
A. B., Goucher College, 1920. *Education* 8; *Politics* 1.

GWENDOLINE MARTHA YATES. Augusta, Ga. 2268 *Woodberry Av.*
Augusta Training School for Teachers. *Education* 29; *Music* 1; *Politics* 1.

URSULA R. S. YEAWORTH. Baltimore. 6237 *Bellona Av.*
Johns Hopkins University. *Biology* 2; *English Literature* 1; *French* 4.

HENRY THOMAS YOST. Baltimore. 2820 *Clifton Av.*
Johns Hopkins University. *Education* 15 and 16; *Economics* 2.

KATHERINE LOUISE YOST. Baltimore Co. *Pikesville.*
Maryland State Normal School. *Home Economics* 2.

ALICE MARION YOUNG. Baltimore. 3302 *Presstman St.*
Baltimore Teachers' Training School. *Education* 32, 33, and 34.

CARROLL IRA YOUNG. Carroll Co. *Westminster.*
Mathematics 2.

MARY MCCAY YOUNG. Baltimore. 2709 *Elsinor Av.*
Eastern High School. *Education* 21 B, 32, and 33.

FRANCES ALENA ZELWIS (Mrs.) Baltimore. 1403 *W. Fayette St.*
Johns Hopkins University. *German* 2.

MINERVA ZELWIS. Pittsburgh, Pa. 1403 *W. Fayette St.*
Fifth Avenue High School (Pittsburgh). *Chemistry* 1.

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PUPILS IN DEMONSTRATION SCHOOL

Kindergarten and Elementary Grades

KINDERGARTEN	34	GRADE 4	20
GRADE 1	10	GRADE 5	34
GRADE 2	8	GRADE 6	29
GRADE 3	21		

Junior High School

GRADE 7 B	38	GRADE 8 A	30
GRADE 7 A	26	GRADE 9 B	13
GRADE 8 B	15		

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GOVERNMENT OF THE UNIVERSITY

FOR THE YEAR 1921-22

TRUSTEES

The Trustees are the ultimate source of authority in all matters pertaining to the University. They act collectively, through the standing committees named on page 11, and through the President of the University.

PRESIDENT

The duties of this office were thus defined by the Trustees, September 14, 1876:

The President of the University is the authorized means of communication between the Board and the various officers of instruction and administration employed in the University; it shall be his duty to consult with the Professors in respect to the development of their various departments and the general interests of the University; to determine the appropriate duties of the Associates and Fellows; and to exercise such superintendence over the buildings, apparatus, books and other property as will insure their protection and appropriate use. In respect to these matters and all others which concern the welfare of the University, he shall consult frequently with the Executive Committee, and he shall attend the meetings of the Board of Trustees. Purchases, alterations, repairs, and other incidental expenses must not be ordered by any of the officers of the University without his previous assent or the expressed authority of the Board.

By resolution of the Trustees, May 2, 1892, the President of the University was constituted a member *ex officio* of the Board, and also *ex officio* a member of the Executive Committee.

ACADEMIC COUNCIL

F. J. Goodnow (*Pres.*)	H. S. Jennings	J. C. W. Frazer
Paul Haupt	A. O. Lovejoy	J. H. Latané
J. S. Ames (*Sec'y*)	W. W. Willoughby	(*ex officio*)
Maurice Bloomfield	J. H. Hollander	E. B. Mathews
J. W. Bright		

By authority of the Trustees, the Academic Council has met since the organization of the University to guide the various departments of study, to select the Fellows, and to act upon such other matters as may be brought before them.

BOARD OF UNIVERSITY STUDIES

F. J. Goodnow (*Pres.*)
Paul Haupt
W. H. Welch
Maurice Bloomfield
W. H. Howell
J. W. Bright
J. S. Ames
Frank Morley
H. F. Reid
R. W. Wood
J. H. Hollander
E. B. Mathews
J. M. Vincent
W. W. Willoughby
D. S. Johnson
Herman Collitz
H. S. Jennings
W. P. Mustard
E. F. Buchner
E. A. Andrews
B. E. Livingston
M. L. Raney
A. O. Lovejoy
J. B. Whitehead
G. E. Barnett
D. M. Robinson
J. H. Latané
C. W. E. Miller (*Sec'y*)
K. Dunlap
J. C. W. Frazer
E. E. Reid
E. W. Berry
S. O. Mast
G. Chinard
T. Frank
H. C. Lancaster
A. G. Christie
J. H. Gregory
W. Kurrelmeyer
C. D. Snyder
A. H. Pfund
B. F. Lovelace
J. C. French
A. Ember
A. Cohen
R. V. D. Magoffin
R. B. Roulston
J. T. Singewald
D. S. Blondheim
W. B. Kouwenhoven
W. A. Patrick
R. P. Cowles
J. C. Smallwood
F. E. Bamberger
G. H. Cartledge
B. J. Johnson
F. D. Murnaghan
H. W. Waterfall

By request of the Academic Council (October 8, 1883), this Board, consisting of the President, Professors, and Associate Professors, has charge of the arrangements for the instruction of graduate students and of the examinations for the degree of Doctor of Philosophy.

BOARD OF COLLEGIATE STUDIES

F. J. Goodnow (*Pres.*)
H. E. Greene
L. S. Hulburt
J. S. Ames
W. J. A. Bliss
J. H. Hollander
E. B. Mathews
J. M. Vincent
D. S. Johnson
W. P. Mustard
E. F. Buchner
E. A. Andrews
A. O. Lovejoy
J. B. Whitehead
C. K. Swartz
G. E. Barnett
D. M. Robinson
J. H. Latané (*Dean*)
C. W. E. Miller
J. E. Gilpin (*Sec'y*)
K. Dunlap
S. O. Mast
G. Chinard
T. Frank
H. C. Lancaster
J. H. Gregory
E. B. Garey
W. Kurrelmeyer
A. H. Pfund
J. C. French
A. Ember
A. Cohen
R. V. D. Magoffin
R. B. Roulston
D. S. Blondheim
R. P. Cowles
W. B. Kouwenhoven
J. C. Smallwood
G. H. Cartledge
B. J. Johnson
T. L. McMurray
W. C. Atwater
G. Gruenbaum
W. O. Weyforth
J. R. Musselman
J. T. Thompson
R. C. Williams
R. T. Abercrombie
B. Mitchell

By request of the Academic Council (May 13, 1892), the Board of Collegiate Studies, consisting of the President and of representatives from each of the chief departments of undergraduate study, confers upon the progress made by the undergraduate and special students, and conducts the examinations for matriculation and for the baccalaureate degree, under the direction of the Academic Council. The other teachers of undergraduates may be called in from time to time to consult.

The following committees are authorized by the Board: *Academic Rules and Regulations,*—J. E. Gilpin, R. B. Roulston, R. T. Abercrombie; *Admission and Advanced Standing,*—J. A. Latané (chairman), E. F. Buchner, H. E. Greene, L. S. Hulburt, W. P. Mustard, R. B. Roulston, J. B. Whitehead; *College Curriculum,*—J. A. Latané (chairman), G. E. Barnett, W. J. A. Bliss, J. C. French, J. E. Gilpin, L. S. Hulburt; *Scholarships and Honors,*—J. E. Gilpin (chairman), R. B. Roulston, A. Cohen; *Student Affairs,*—J. C. French (chairman), J. S. Ames, C. K. Swartz; *Summer Courses and College Courses for Teachers,*—E. F. Buchner (chairman).

The Dean is *ex officio* a member of all committees.

ADVISORY BOARD OF THE MEDICAL FACULTY

F. J. Goodnow (*Pres.*)	J. W. Williams (*Dean*)	W. G. MacCallum
W. H. Welch	A. Meyer	L. H. Weed
H. M. Hurd	W. H. Smith	E. K. Marshall, Jr.
W. S. Halsted	W. Jones	G. C. Robinson
J. J. Abel	J. Howland	

This Board was constituted by resolution of the Trustees (April 3, 1898), "to report to the Trustees from time to time their suggestions, and to prepare and carry forward the proper arrangements for the instruction and graduation of medical students."

ADVISORY COMMITTEE OF THE SCHOOL OF ENGINEERING

F. J. Goodnow (*Pres.*)	E. B. Mathews	A. G. Christie
J. B. Whitehead (*Dean*)	J. H. Latané	J. H. Gregory
J. S. Ames	J. C. W. Frazer	W. W. Ford
Frank Morley		

This committee was constituted by a resolution of the Trustees May 9, 1913. It consists of the President of the University, certain members of the Faculty representing engineering and cognate sciences, and the Dean of the College Faculty.

BOARD OF ENGINEERING STUDIES

F. J. Goodnow (*Pres.*)	J. C. French	J. T. Thompson
J. B. Whitehead (*Dean*)	W. B. Kouwenhoven	F. W. Medaugh
W. J. A. Bliss	J. C. Smallwood	F. W. Kouwenhoven
L. S. Hulburt	H. W. Waterfall	J. H. Lampe
A. G. Christie	M. W. Pullen	T. F. Comber
J. H. Gregory	F. W. Lee	V. L. Doughtie
J. E. Gilpin		

This committee, appointed annually, acts for the Advisory Committee on all questions pertaining to undergraduate instruction in engineering.

ADVISORY BOARD OF THE FACULTY OF HYGIENE AND PUBLIC HEALTH

F. J. Goodnow (*Pres.*)	Raymond Pearl	W. W. Ford
W. H. Welch (*Director*)	J. H. Gregory	C. G. Bull
W. H. Howell (*Asst. Director*)	W. H. Frost	R. W. Hegner
E. V. McCollum		

By resolution of the Board of Trustees this Board is "instructed to report to the Trustees from time to time their suggestions and to prepare and carry forward the proper arrangements for the instruction and graduation of students in the School."

ADVISORY COMMITTEE ON THE DEGREE OF BACHELOR OF SCIENCE

F. J. Goodnow (*Pres.*)	J. E. Gilpin	A. O. Lovejoy
G. E. Barnett	L. S. Hulburt	W. P. Mustard (*Sec'y*)
E. F. Buchner	H. C. Lancaster	D. M. Robinson
K. Dunlap	J. H. Latané	R. B. Roulston
J. C. French		

This committee was constituted by resolution of the Trustees June 1, 1915, and subsequently enlarged, to supervise the course of study leading to the degree of Bachelor of Science.

COMMITTEE IN CHARGE OF THE COLLEGE COURSES FOR TEACHERS

E. B. Buchner (*Chairman*) ——— (for Goucher College)

OFFICERS OF ADMINISTRATION OF THE SUMMER COURSES

F. J. Goodnow (*Pres.*)	T. R. Ball
E. F. Buchner (*Director*)	W. G. Boyce

COMMITTEE ON THE LIBRARY

F. J. Goodnow (*Pres.*)	E. B. Mathews	W. P. Mustard
J. S. Ames	W. W. Willoughby	M. L. Raney (*Sec'y*)

COMMITTEE ON HOMEWOOD

R. B. Keyser	W. J. A. Bliss	E. H. Bouton
F. J. Goodnow	E. B. Mathews	Howard Baetjer
Blanchard Randall	W. W. Willoughby	T. E. Straus
Miles White, Jr.	M. L. Raney	J. P. Thom
John Glenn, Jr.	W. G. Boyce (*Sec'y*)	

ADVISORY BOARD OF THE YOUNG MEN'S CHRISTIAN ASSOCIATION

F. J. Goodnow (*Pres.*) Eugene Levering J. H. Latané

OTHER OFFICERS

OFFICERS OF ADMINISTRATION

T. R. Ball, *Registrar of the University*
G. J. Coy, *Registrar, Medical School*
R. N. Dempster, *Assistant Registrar*
M. Louise Durham, *Secretary, School of Hygiene*

TREASURER'S OFFICE

Henry Iddins, *Treasurer's Assistant*
S. Page Nelson, *Assistant Treasurer*

JOHNS HOPKINS PRESS

C. W. Dittus, *Secretary*

LIBRARIES

1. THE UNIVERSITY LIBRARY numbers 240,547 bound volumes, selected with especial reference to the instruction here given. It is arranged in several collections, of which these are the chief:

Reading Room	Romance Languages
Philosophy, Psychology, and Education	Mathematics
History	Physics and Astronomy
Political Economy and Political Science	Chemistry
Classics, Art, and Archæology	Geology and Civil Engineering
Sanskrit	Biology
Semitic	Medical Sciences
English and German	Hygiene
	Electrical and Mechanical Engineering

The Reading Room is open daily from 9 a. m. to 9 p. m. (Saturday until 4 p. m.); the other rooms in accordance with special regulations.

The library receives the publications of the leading scientific societies of the world and the chief literary and scientific periodicals. Important books are received by the library as soon as published, through purchase or the courtesy of dealers.

THE MARYLAND DIOCESAN LIBRARY, numbering over 32,000 volumes, is also now housed on the University campus in Gilman Hall, and is open to the use of Faculty and students.

2. THE PEABODY LIBRARY is a choice collection of books purchased since 1861. It is particularly full in academic transactions, long historical series, and costly illustrated books. It numbers 247,568 volumes and pamphlets, well catalogued, and arranged. It is open daily, without charge, from 9 a. m. to 10 p. m.

3. THE ENOCH PRATT FREE LIBRARY numbers 409,944 volumes and is open daily without charge.

4. THE MARYLAND HISTORICAL SOCIETY LIBRARY contains 35,200 volumes of historical works and is open daily.

5. Other libraries of Baltimore are the New Mercantile Library (96,227 volumes), the Bar Library (46,000 volumes), the Medical and Chirurgical Library (37,000 volumes).

6. Washington is so near that its museums and libraries may be easily visited. Among the chief institutions of interest to students are these:

The Library of Congress.
The Smithsonian Institution and National Museum.
The Army Medical and Surgical Museum and Library.
The U. S. Coast and Geodetic Survey.
The U. S. Geological Survey.
The U. S. Naval Observatory.
The Libraries of the Departments and Bureaus.
The Corcoran Art Gallery.

TREASURER'S OFFICE, BUDGET APPROPRIATIONS, FOREIGN SHIPMENTS, ETC.

I. The Treasurer's Office is open from 9 a. m. to 4 p. m., except on Saturday, when it is closed at 1 p. m.

II. For the several departments an annual allowance is made by the Trustees in the budget, and in deciding on the allowances they are governed by a consideration of the general interests of the University, as well as by the needs of special branches of instruction. A statement of the amount of the allowances and expenditures will be communicated to the several departments at intervals throughout the academic year, and special statements may be obtained at any time from the Treasurer upon request.

III. No member of the academic staff may incur a bill in the name of the University, unless authority is given for the same by the Trustees, in advance, either as an allowance in the annual budget, or as a special appropriation. Blank forms of application are provided for special requisitions.

IV. All bills should be *promptly* endorsed as correct by the person under whose authority the expense has been incurred and then referred to the Treasurer's Office for payment.

V. The Treasurer's Office will make purchases, at wholesale rates, of general supplies which are required for the current needs of the University, and the departments are expected to secure such supplies from the Treasurer's Office by requisition.

VI. Such petty cash books as are authorized by the Treasurer should be presented for balance and settlement every month.

VII. The wages of all persons employed by the University will be paid at the Treasurer's Office unless otherwise arranged.

VIII. When C. O. D. packages are expected, previous arrangements should be made for their reception.

IX. Outlays made for individuals (express parcels, postage, telegraph messages, etc.) are payable at once at the Treasurer's Office.

X. FOREIGN SHIPMENTS. All foreign shippers should be instructed to mail a Consular Invoice and a bill of lading, and a duplicate Consular Invoice by the following mail, all addressed to The Johns Hopkins University.

Goods for other parties (societies or individulas) must *not* be included in the University cases. Consignments must *not* be addressed to individuals if they are intended for the University and are to be entered through the Customs for University use.

Unless otherwise ordered, goods from Europe should be sent by steamer *direct to Baltimore* as follows:

From Germany by the North German Lloyd steamers sailing for Baltimore from Bremen; from England by steamship lines from Liverpool to Baltimore; from France and Italy, via Havre and Liverpool.

GENERAL STATEMENTS IN RESPECT TO THE COURSES OF INSTRUCTION

The Johns Hopkins University has had in view, from the beginning, two main objects—the advancement of learning through investigations conducted by its teachers and its properly qualified students, and the communication of learning through carefully planned courses of instruction. The facilities which it provides and its methods of administration are intended both for the encouragement of research, in the case of those competent to undertake it, and for the discipline and guidance of those whose chief concern is the acquisition of knowledge. The work of the University is carried forward—

I. Under the Faculty of Philosophy.

II. Under the Faculty of Medicine.

III. Under the Faculty of Hygiene and Public Health.

IV. Under the Faculty of Engineering.

I. The students enrolled under the Faculty of Philosophy are:

(1) Those who have obtained baccalaureate degrees from colleges of good standing, and who desire to follow advanced courses in scientific, literary, or historical subjects; and also persons who wish to take advantage of the opportunities for study and individual investigation here afforded, and who satisfy the instructors or professors concerned that they are prepared for such work. Women are admitted to these courses.

(2) Undergraduate students, who are, in most cases, looking forward to the degree of Bachelor of Arts. Women are not admitted to the undergraduate courses.

The requirements for admission to the undergraduate courses, the arrangement of these courses, etc., are stated on subsequent pages. Further information is given in the pamphlet entitled "The College of Arts and Sciences of the Johns Hopkins University."

(3) Teachers in public and private schools, persons engaged in other pursuits, and others wishing to pursue courses of collegiate grade in the late afternoons and evenings and on Saturday mornings. Work accomplished in these courses will be credited, upon matriculation, toward the degree of Bachelor of Science. Women are admitted on the same terms as men.

Students registered primarily in other divisions of the University may register also in these courses, and, for satisfactory work in the same, receive credit towards the degrees for which they are matriculated.

Under a plan of co-operation with Goucher College, credits obtained in these courses, to the extent of forty-five hours, may be offered by women matriculating for the degree of Bachelor of Arts conferred by that institution.

Detailed information is given in the special announcement of the "College Courses for Teachers." See also the requirements for the degree of Bachelor of Science on subsequent pages of this Register.

(4) Persons seeking opportunities for instruction during the summer. Men and women are admitted to such courses as they are found by the respective instructors qualified to pursue with advantage. The program includes courses which may be offered in partial fulfillment of the requirements for the degrees of Master of Arts, Bachelor of Arts, Bachelor of Science, and Bachelor of Engineering.

Detailed information is given in the special announcement of the Summer Courses. See the requirements for the various degrees on later pages of this Register.

(5) Persons engaged in affairs or contemplating entrance into business, desirous of pursuing evening courses of collegiate grade in the general field of Business Economics. Work accomplished in these courses will be credited, upon matriculation, towards the degree of Bachelor of Science. Women are admitted on the same terms as men.

Details regarding the "Courses in Business Economics" are given in a special announcement. Particulars as to the requirements for the degree of Bachelor of Science are given in this Register.

II. The students enrolled under the Faculty of Medicine are:

(1) Candidates for the degree of Doctor of Medicine These must be college graduates, or must give evidence by examination that they possess the attainments indicated by a baccalaureate degree in arts or science. Women are admitted on the same terms as men.

(2) Doctors of Medicine desiring to pursue certain special courses, which are annually announced.

The terms of admission to the medical department, the general plan of instruction, and other detailed information are given in the "Catalogue and Announcement" of the department.

III. Students are enrolled under the Faculty of Hygiene and Public Health in the following classes, both men and women being admitted:

(1) Candidates for the degree of Doctor of Public Health.

(2) Candidates for the degree of Doctor of Science in Hygiene.

(3) Candidates for the degree of Bachelor of Science in Hygiene.

(4) Special students, not candidates for a degree.

Information in detail regarding the School of Hygiene is given in a separate announcement.

IV. The students enrolled under the Faculty of Engineering are:

(1) Those who have obtained degrees in Engineering from schools or colleges in good standing, and who desire to follow advanced courses or pursue investigations in engineering subjects. To such persons the degrees of Doctor of Engineering and Master of Engineering are offered.

(2) Undergraduate students who are looking forward to the degree of Bachelor of Engineering or Bachelor of Science in Chemistry.

(3) Practical workers for whom evening courses are provided.

I. FACULTY OF PHILOSOPHY

Advanced students are received whether they are candidates for a degree or not, and they are permitted to attend such lectures and exercises as they may select. On entering the University they are expected to present their diplomas and certificates from the institutions with which they have been connected, and also letters of introduction. They are not examined by the University for admission, but each instructor satisfies himself of the attainments of those who wish to follow his guidance before admitting them to his classes.

The professors are ready to give personal counsel to those who seek it; books and instruments adapted to investigation and advanced work have been liberally provided; seminaries limited to a few advanced students have been organized in various subjects; societies devoted to philology, to mathematical, physical, and natural science, and to history and political science, afford opportunities for the presentation of memoirs and original communications, and there are also conferences for the reading and discussion of philological, philosophical, biological, physical, geological, and chemical papers; during the year courses of lectures are given by resident and non-resident professors on topics to which they have given special attention; the libraries of the Peabody Institute and Maryland Historical Society, founded for the benefit of scholars, are easily accessible; the issuing, under the auspices of the Trustees, of publications devoted to mathematics, philology, biology, the modern languages, history, political science, and economics, brings the University into advantageous connection with other foundations; and the University reading room, which is constantly open, is liberally supplied with new and standard books and with the literary and scientific journals of this and other lands.

Instruction is carried on in the different departments by methods which vary with the nature of the subject and the character and proficiency of the scholars; but in all alike the end is the same,—that, while the students are becoming familiar with the work prosecuted and the results attained elsewhere, and are adding to their general intellectual culture, they may be encouraged to become independent and original investigators in their chosen fields of labor. Within reasonable limits the University will provide such books, apparatus, and material as may be requisite for this purpose.

The principal subjects in which advanced instruction is now provided are these:

Botany
Chemistry
Classical Archæology and Art
Education
English and Anglo-Saxon
Geology and Mineralogy
German
Germanic Philology
Greek
History
Latin
Mathematics
Pathology and Bacteriology
Philosophy
Physics and Astronomy
Physiology (Animal)
Plant Physiology
Political Economy
Political Science
Psychology
Romance Languages (French Spanish, Italian)
Sanskrit and Comparative Philology
Semitic Languages (Oriental Seminary)
Zoology

GRADUATE AND COLLEGIATE COURSES

ARCHAEOLOGY AND ART

The work in Archæology and Art is carried on by means of a Seminary, various courses of lectures, conferences with individual students, and practical exercises in the museums. The archæological material in the possession of the University includes the Cohen and Dennis collections of Egyptian Antiquities and good collections of Greek and Roman inscriptions, marbles, bronzes, vases and other terra cottas, coins, gems, etc., which not only serve the purpose of illustration but also form the basis of original investigation. These are supplemented by squeezes, photographs, and lantern slides, as well as by the casts belonging to the University and to the Peabody Institute. The Walters Art Gallery also contains a very valuable collection of Greek and Roman antiquities.

SEMINARY AND ADVANCED COURSES

The subjects treated in the Seminary, or presented in lectures, vary from year to year, so that in three or four years of continuous residence students are brought into contact with the most important of the ancient authors and with the principal fields of archæological research. These subjects include Greek and Roman architecture, epigraphy, palæography, private life, topography, mythology and religion, sculpture, painting, ceramics, coinage, gems, bronzes, and the Etruscan and Mycenaean civilizations.

For advanced students a reading knowledge of French and German is essential. For advanced students of Roman archæology a reading knowledge of Italian is indispensable, and for advanced students of Greek archæology an opportunity is given to learn modern Greek and to prepare for the fellowship examinations for the American School of Classical Studies in Athens.

The following courses are offered in 1922-23 unless otherwise stated:

1. Archæological Seminary.

Selected problems and topics in Greek and Roman Archæology and Art. The Seminary will be adapted to the needs of the members in the matter of preparation of reports and papers. Subjects for research will be assigned to students along lines in which they are interested.

Professor ROBINSON. *Wednesday*, 4 *p. m.*

2. Civilization and Art in Prehistoric and Minoan Times, and their Relation to Homer.

Professor ROBINSON. *First half-year. Monday*, 5 *p. m.*

3. Outlines of Greek and Roman Architecture. Reading of Vitruvius.

Professor ROBINSON. *Second half-year. Monday*, 5 *p. m.*

4. Roman Art and Archæology.

Professor ROBINSON. *Tuesday*, 4 *p. m.*

5. An Introduction to Latin Epigraphy with practical exercises in the interpretation of inscriptions from the original stones and published texts.

One hour weekly, through the year. Associate Professor MAGOFFIN.

Notice of other courses for 1922 1923 is reserved.

6. The History of Greek and Roman Sculpture.

Lectures on the History of Greek Sculpture, with an outline of Roman Sculpture, having especial reference to Roman busts and historical reliefs.

Professor ROBINSON. [Not given 1922-1923.]

7. Greek Historical Inscriptions.

Lectures, with readings from Michel's *Recueil* and from Hicks and Hill, *Greek Historical Inscriptions*, from squeezes, photographs, and original stones.

Professor ROBINSON. [Not given 1922-1923.]

8. Topography and Monuments of Greece and Asia Minor. Centers of Greek and Roman Life.

Selections from the archæological passages in Pausanias and

Strabo will be read and lectures will be given on the topography and history of the places described by them. Such sites as Athens, Delphi, Olympia, Corinth, Eleusis, Epidaurus, the Argive Heraeum, Pergamum, Sardis, Ephesus, Priene, Miletus, etc., will be studied. The Roman as well as the Greek monuments will be explained.

Professor ROBINSON. [Not given 1922 1923.]

9. Greek and Roman Vases.

A brief account of the various early wares will be given but the principal study will be concentrated upon the Attic black-figured and red-figured vases as sources of information on Mythology and Private Life. Some study will be devoted finally to Arretine and other Roman vases.

Professor ROBINSON. [Not given 1922-1923.]

10. Minor Greek and Roman Arts.

Painting, terra-cottas, bronzes, gems, coins, etc.

Professor ROBINSON. [Not given 1922-1923.]

11. Greek Epigraphy.

Considerable attention will be given to deciphering facsimiles and squeezes and to the epichoric alphabets. But the main aim will be to read and discuss inscriptions throwing light on the political and social history of Greece.

Professor ROBINSON. [Not given 1922-1923.]

12. Strabo.

Reading of passages dealing with Greek and Roman history and topography. Lectures on the excavations of such sites.

Professor ROBINSON. [Not given 1922-1923.]

13. Archæological and Colloquial Modern Greek (especially for students going to Greece).

Professor ROBINSON. [Not given 1922-1923.]

14. The Topography and Monuments of the Ancient Roman World.

Particular attention will be paid to the topography and monuments of Rome and Latium, but due regard will be given to the general topography of the Roman dominions and to the monuments of the important provincial towns.

Associate Professor MAGOFFIN. [Not given 1922-1923.]

15. Roman Palæography.

Associate Professor MAGOFFIN. [Not given 1922 1923.]

In the College Courses for Teachers Professor Robinson offers every year on Tuesday nights, 8-9.45 p. m., a course in the History of Art and Civilization (Ancient Art, first half-year; Mediæval and Modern Art, second half-year), and at intervals he gives also courses in American Art and in Oriental Art (Turkey, India, China, and Japan). In the Greek department he offers at intervals courses in Apollonius Rhodius, Aeschylus, Plato's Republic, Plato's views of rhetoric with readings in the Gorgias, Phaedrus, Ion, and Menexenus; etc.

UNDERGRADUATE COURSES (OPEN TO GRADUATES)

1. The Private Life of the Romans.
Associate Professor MAGOFFIN. *Tuesday*, 3 *p. m.*

2. History of Greek Literature.
Professor ROBINSON. *Tuesday*, 2 *p. m.*

3. Greek Life as illustrated by Greek Literature and the Monuments.
Professor ROBINSON. [Not given 1922-1923.]

4. An Introductory Course in Roman Archæology and Art.
Professor ROBINSON. [Not given 1922 1923.]

5. Roman Life, as illustrated by Latin Literature and the Monuments.
Professor ROBINSON. [Not given 1922 1923.]

Courses 1 and 2 are parts of Latin 4 and Greek 4, respectively, but may be pursued by any student of the University. Taken together, they count as two-thirds of a course, and with the course in Greek Life or Roman Archæology as a full course. Students of Latin and Greek will benefit most by these courses, but no knowledge of Greek or Latin is required.

CHEMISTRY

The Chemical Laboratory is open for work and the teaching staff is in attendance from 9 a. m. to 5 p. m. on all week days, except Saturday, when the working hours extend from 9 a. m. to 1 p. m.

The department is amply provided with an equipment of apparatus and other facilities for a great variety of research and with a library which contains complete sets of all the more important chemical periodicals.

While instruction by means of lectures and examinations and by required historical investigation on the part of the students is not neglected, it is the conviction of the teaching staff that the *education* of a chemist is effected principally in the laboratory, and mainly through the daily contact of instructor and student at the working place of the latter.

It is desirable, though not required, that a student should have, at the beginning of his graduate work in chemistry, a good knowledge of physics, a knowledge of mathematics through calculus, and the ability to read scientific German and French. If he is deficient with respect to any of these subjects, he is advised to make up the deficiency as soon as possible after beginning his graduate work.

GRADUATE COURSES

Lectures

1. General Chemistry.

Twice weekly through the year. Professor FRAZER.

This course is required of fourth-year undergraduate students specializing in chemistry and is open to first-year graduate students.

2. Physical Chemistry.

Twice weekly through two years. Associate Professor PATRICK.

3. Advanced Inorganic Chemistry.

Twice weekly through two years. Associate Professor LOVELACE.

4. Advanced Organic Chemistry.

Twice weekly through two years. Professor REID.

5. Principles of Quantitative Analysis.
Weekly through the year. Dr. THORNTON.

6. Mathematics for Chemical Students.
Professor MORLEY.

7. Journal Meetings.
Weekly through the year.

8. Lectures upon assigned topics by advanced students.

Laboratory Courses

9. Organic Preparations (Advanced Course).
Daily for eight weeks. Professor REID.

10. Quantitative Chemistry.
Daily through the year. Dr. THORNTON.

11. Physical Chemical Methods.
Daily for eight weeks. Associate Professor PATRICK.

12. Inorganic Reactions and Electro-chemical Methods.
Daily for eight weeks. Associate Professor LOVELACE.

Examinations

Written examinations are given upon all lecture and laboratory courses, and students who are candidates for the degree of Doctor of Philosophy are required to give evidence of adequate proficiency in each of the courses taken by them before beginning research. Those who show themselves unable to pass the required examinations in a creditable manner are discouraged from attempting to secure the doctor's degree.

Dissertations

Having completed the routine work of the various laboratories and having passed with credit the required examinations, the student is assigned by the staff to one of its members, who proposes to him a problem for investigation which may be made the basis of the doctor's dissertation, and who henceforth directs his work in the laboratory. It sometimes happens that the student has good reason for preferring some particular line of research and this course is allowed if the circumstances permit.

Special Students

For those who do not look forward to the degree of Doctor of Philosophy the rules are less rigid. A person admitted to the University as a special student is permitted to take any of the lecture or laboratory courses for which he is qualified by previous training.

UNDERGRADUATE COURSES

Students whose principal subject is chemistry and pre-medical students are required to pursue the courses in chemistry during three years.

On account of the limited space in the quantitative laboratory the number of students in Courses 2 and 3 will be limited to sixty students, respectively. Preference will be given to those who have made high grades in the work of the previous year.

1 A. Introduction to General Chemistry.

(*a*) *Lectures and recitations, three hours weekly through the year.* Professor GILPIN.

(*b*) *Laboratory work, six hours weekly through the year.* Professor GILPIN and Assistants.

No previous knowledge of chemistry is required. The class-room work is based on MacPherson and Henderson's General Chemistry and covers the field of inorganic chemistry as far as possible. In the laboratory the student repeats the experiments performed in the class-room, and, in addition, has some practice in reactions preparatory to qualitative analysis. Each student is required to keep a notebook of his work.

1 B. Chemistry for Engineering Students.

(*a*) *Lectures and recitations, three hours weekly through the year.* Assistant Professor CARTLEDGE.

(*b*) *Laboratory work, six hours weekly through the year.* Associate Professor CARTLEDGE and Assistants.

A general course in inorganic and organic chemistry arranged to meet the needs of those who expect to take only one year's work in chemistry. In the laboratory the students perform selected experiments in general chemistry and gain some facility in qualitative analysis.

2. Inorganic Chemistry (Advanced Course).

(*a*) *Lectures and recitations, three hours weekly through the year.* Associate Professor CARTLEDGE.

(*b*) *Laboratory work, six hours weekly through the year.* Associate Professor CARTLEDGE and Assistants.

During the first half-year the work of both class-room and laboratory is devoted to the study of the quantitative principles of chemistry. A comparatively few reactions are studied, but in a very thorough and quantitative manner, so as to provide a good working knowledge of the physical-chemical foundation of the science, on the one hand, and on the other, to develop a good laboratory technique, In the second half-year, the work in the laboratory is a thorough course in qualitative anlaysis, with the lectures and recitations devoted to a study of the types of chemical reactions, as applied to analytical chemistry.

This course is limited to sixty students.

3. (a) Chemistry of the Compounds of Carbon.

(*a*) *Lectures and recitations, three hours weekly for five months.* Professor GILPIN.

(*b*) *Laboratory work, six hours weekly for five months.* Professor GILPIN and Assistants.

The class-room work of this year is devoted to the study of Organic Chemistry. The laboratory work is the making of organic preparations, but also includes practice in the analytical detection of organic substances. The text-books used are Remsen's Organic Chemistry and Norris' Experimental Organic Chemistry.

(b) Elementary Physical Chemistry.

Lectures and recitations, three hours weekly for three months.

During this time the laboratory work will be a continuation of the quantitative work of the second year.

Course 3, which is required for entrance to the Medical School, is open to those who have taken Courses 1 and 2.

[See the statement of the courses in the Department of Engineering for a chemical course leading to the degree of B. S. in Chemistry.]

DRAWING

The instruction aims to impart such knowledge of the principles of drawing as shall give students the ability to represent natural objects correctly.

Students in the medical, biological, or engineering courses will find this course of value in the practical illustration of lectures and laboratory work. It is required of all first-year students in Engineering.

1. Engineering Drawing.

Lettering, Orthographic and Isometric Projection.

Six hours weekly, first half-year. Mr. WHITEMAN.

2. Descriptive Geometry: Elements.

Special course in Freehand Drawing for students in Chemical Engineering.

Six hours weekly, second half-year. Mr. WHITEMAN.

EDUCATION

GRADUATE COURSES

The graduate work in Education provides opportunity for study and investigation in the fields of educational history, principles, psychology, measurement, administration, experiment, and in higher, secondary, and elementary education. It is designed to prepare advanced students to give instruction in the subject, to make application of the results of investigations to the problems in practical situations, and also to introduce students in special subjects to the principles which may be applied in the educational organization of their specialties.

Advanced students are expected to have completed satisfactory undergraduate courses in history of education, educational psychology, and in either secondary or elementary education.

During the year 1922-23 the courses will be as follows:

1. Educational Seminary.

The work of the year includes studies in the field of educational organization and administration. Topics relating to the legal, the instructional, or the business aspects of education, as defining the special interests of the members, are considered. Attention is given to the results of representative studies in this field. Individual studies are undertaken by the members.

Professor BUCHNER. *Saturday*, 9.15-11 *a. m.*

2. Educational Surveys.

The critical examination of the reports of the important educational surveys, with reference to the determination of the principles underlying the methods of investigating the operation of school systems. Problems will be assigned for investigation and report.

Professor BUCHNER. *Two hours a week. 1923-24.*

3. Experimental Education.

This course deals with educational measurements and tests and includes a comparative study of investigations in educational research. Attention is given to methods of attacking educational problems in the fields of standardized scales and surveys of pupil achievements in school subjects and of rating the intelligence of school children, with special reference to the application of results to the control of instruction and the organization of schools. Research will be undertaken in problems in either elementary or secondary education selected according to the chief interests of individual students.

Professor BUCHNER and Dr. BROOKS. *Saturday*, 11.15 *a. m.* 1 *p. m.*

4. Educational Psychology.

Opportunity is offered to those with sufficient preparation in educational psychology for investigation of special problems related to the measurement of the learning process, the growth of intelligence of school children, and the technique of scale construction.

Dr. BROOKS. *Two hours a week.*

5. Modern Educational Theory.

A study of the current social theories of the school and their application is undertaken, including such topics as the democratic conception of education, the curriculum, the development of classroom conduct and the modification of schoolroom procedure. Reports on required readings and observation of typical schools in the vicinity will be required.

Associate Professor BAMBERGER. *Monday*, 4.15-6 *p. m.*

6. Higher Education.

The problems of university and collegiate administration, organization, and instruction are considered on the basis of the methods and results of the investigation of special phases of higher education in the United States.

Professor BUCHNER. *One hour a week.*

7. Secondary Education.

This course will deal with the principal topics of high school organization and administration, including important current problems.

Dr. WEGLEIN. *Two hours a week.*

8. Supervision of Elementary Schools.

This course is intended to assist teachers and supervisors in clarifying some of the special problems encountered in educational leadership. It includes topics concerning extra school activities, such as parent-teachers associations, co-operation with other educational agencies in a community for the betterment of the children, and intra-school activities, such as the care and use of the school plant, teacher-training in service, and standards for evaluating the quality of instruction, activities of children, courses of study, textbooks, achievement and ability of pupils, and the work of the supervisor.

Readings, written reports, and the intensive investigation of one specific problem are required. A small group may elect and work upon the same topic, each member selecting a different phase of the problem. They will meet together for conference and discussion without the instructor once a week. All groups will meet with the instructor once a week.

This course is designed for supervisors, principals, teachers in training schools and normal schools.

Associate Professor BAMBERGER. *Wednesday*, 4.15-6 *p. m.*

Educational Conference.

The educational conference is designed to supplement the work of the regular courses. All members of the department meet on the first Monday evening of each month, November to May, for reports on the literature and critical discussion of tendencies in education.

First Monday, 7.30 *p. m.*

Educational Clinic.

As an aid to elementary and secondary teachers, the department offers the opportunity of case study of pupils in the Educational

Clinic, which is scheduled to be held weekly during the regular session on Wednesdays, 9.30-11.30 a. m. Teachers desiring assistance in meeting the difficulties presented by individual pupils will first secure appointment by communicating with Professor Buchner.

UNDERGRADUATE COURSES

Introductory courses in Education are given in the College Courses for Teachers, and form part of the program from which election may be made by candidates for the degree of Bachelor of Science. By action of the Board of Collegiate Studies, candidates for the degree of Bachelor of Arts expecting to teach may elect, subject to approval, such courses as will enable them to meet the requirements of Boards of Education and Boards of Examiners.

College graduates may qualify for the Maryland State High School Teachers' Certificate in the regular academic subjects, provided "that during their college course at least two high school branches were continuously pursued for two years," and "provided that they had not less than two hundred recitation hours of instruction in education, including the aims of secondary education, and in the methods, observation, and practice teaching of high school studies."

The State Board of Education has provided that the minimum amount of college work in Education, which will meet the requirements of the State Law, shall include history of education, educational psychology or principles of education, secondary school organization and classroom management, and the curriculum and instruction in secondary schools.

Candidates for the degree of Bachelor of Arts or Bachelor of Science, offering education as a major, will complete Education 1, 3, and either 8 or 10.

1. History of Education.

The course presents in outline the history of education, tracing the development of those ideas, practices and institutions of the past, which have been most effective in determining the essential features

and problems of education in the present. The work is based on Cubberley's "The History of Education" and "Readings in the History of Education."

Professor BUCHNER. *Monday and Wednesday*, 5.10 *p. m.*

2. Principles of Education.

This course on the principles of education undertakes a study of education with a view to understanding the work of the school and the mental and social factors in individual development.

Professor BUCHNER. *Tuesday*, 4.20-6 *p. m.*

3. Educational Psychology.

(a) During the first half-year the following topics are considered: The laws of learning and their application to elementary and secondary school instruction; work; fatigue; practice; individual differences.

(b) The second half year is devoted to mental development of school children, and includes such topics as psychological characteristics of children at different ages, growth curves of intelligence, adolescence.

Dr. BROOKS. *Thursday*, 4.10-6 *p. m.*

4. Educational Psychology: Elementary School Subjects.

Analysis of the learning processes with special reference to reading and arithmetic, some attention being given to handwriting, drawing, language, and the social studies. Special attention is given to the diagnosis and remedial treatment of difficulties in learning arithmetic and reading.

Dr. BROOKS. *First half year. Monday*, 4.10-6 *p. m.*

NOTE.—Education 4 is the first half of a full year course, which includes Education 4 and 6.

5. Educational Measurements.

(a) Collection and Interpretation of Educational Data. Principles and techniques fundamental to scientific experimentation in education and to the interpretation of experimental data. Practice in the necessary statistical procedures; the significance of various statistical measures. A course designed (a) to aid those who are doing experimental work in education, and (b) to provide teachers and principals with the statistical techniques necessary to interpret the results of standardized tests and scales. Text-book: Thorndike, "Mental and Social Measurements."

(b) Principles and techniques of rating the intelligence of school

children; the development and forms of intelligence tests, both individual and group; giving and scoring group tests; giving the Stanford-Binet individual intelligence tests; interpretation and application of results with special reference to the classification and instruction of children.

Dr. BROOKS. *Friday,* 4.10-6 *p. m.*

6. Educational Measurements: Tests of Elementary School Subjects.

A study and evaluation of the more useful scales and tests suitable for use in measuring achievement in the various elementary school subjects. Practice in giving and in scoring tests is required.

Dr. BROOKS. *Second half year. Monday,* 4.10-6 *p. m.*

NOTE.—Education 6 may be taken as the second half of a full-year course, following either Education 4 or 5a.

7. Secondary School Organization and Class-Room Management.

This course deals with some of the principal topics related to the organization and administration of secondary schools, such as: The historical development and function of the American high school; comparisons with secondary schools in other countries; the junior high school; extra class room activities; supervised study; methods of instruction.

Reports and discussion of observation of class-room and other secondary school activities.

Dr. WEGLEIN. *1923-24.*

8. The Curriculum and Instruction in Secondary Schools.

(a) The first half of this course considers the principles involved in dealing with the special problems connected with the program of studies.

(b) During the second half-year attention is given to types of learning characteristic in secondary schools and to methods of instruction in the several subjects.

Dr. WEGLEIN. *Thursday,* 4.10 6 *p. m.* Western High School, Room 107.

9. The Junior High School.

The reorganization of education, historical survey of the junior high school, articulation of junior high schools with elementary

schools and with senior high schools, provision for individual differences, programs of study, problems of administration and supervision.

Dr. WEGLEIN. *Monday,* 4.10 6 *p. m.* Western High School, Room 103.

10. Elementary Education.

This course is intended to give teachers an insight into the scientific procedure in elementary education. It will study the learning process in relation to specific needs of pupils in the fundamental subjects of the curriculum. It is intended to aid teachers in the analysis of those specific habits in the control of which it is necessary for children to attain skill; the fundamental processes in arithmetic; reasoning problems in arithmetic; language; silent and oral reading; spelling; handwriting.

There will be written reports based on assigned readings. One report will be required from each student based upon a careful study of the effect of scientific procedure upon one individual child.

This course is intended for teachers in the first six grades of the elementary school.

Associate Professor BAMBERGER. *Saturday,* 9.15 11 *a. m.*

11. The Individual in Relation to Classroom Organization and Management.

Aim: to furnish methods for a teacher's class which might serve as a relatively thorough diagnosis of each individual child from the point of view of standard scores, so that on the basis of this data remedial measures might be applied.

There will be assigned readings and written reports. Each student will be expected to give four standard tests to her class, and to use the results of these for analysis and study. Each student will be responsible for case study of two individuals. Careful testing will be followed by graded remedial measures and accurate records of growth and progress will be kept throughout the year.

This course is designed for experienced teachers in the elementary grades, for practice teachers, and for supervising principals.

Associate Professor BAMBERGER. *Saturday,* 11.15 *a. m.*-1 *p. m.*

12. Special Problems in Classroom Leadership.

This course is intended for advanced students and experienced teachers who are interested in the special problems arising in the leadership of children. Solutions of these problems along lines of pupil participation in school activities will be attempted. For

this purpose the class will be organized in groups meeting in alternate weeks for laboratory exercises. Each student will choose the group in which he wishes to work and each group will elect one or more specific topics for intensive study. The field of activity will be limited to the elementary grades. Observation and demonstration lessons illustrating various phases of the topics selected will be given for the entire class from time to time.

The selection of the topics will necessarily await the initiative of the members enrolled, but opportunity will be afforded to any desirous of investigating the following topics: the relation of the learning process to silent reading in the first and second grades; individual growth in relation to supervised study; group co operation in relation to supervised study; care of the gifted child; learning through projects; literature in relation to child interests. Students will provide all test material.

This course is intended for experienced teachers who desire to investigate and experiment in their particular fields, for critic teachers, for teachers of method in normal and training schools, and for supervising principals.

Associate Professor BAMBERGER. *Tuesday*, 4 5.45 *p. m.*

ENGLISH

GRADUATE COURSES

In the graduate courses the subject of English is studied with reference to the historical and technical aspects of linguistic and literary science. The usual sequence of courses enables a student, in three or four years, to study with precision the important departments of grammar and of literature, and to become trained in the processes of original investigation. Instruction is imparted by lectures, by freer conferences, by the methods of the Seminary, and by class-room recitation. A Journal Club is conducted for the purpose of supplementing the regular courses with reports of the current work of scholars.

1. *English Seminary*

Graduate students are admitted to the Seminary as soon as they have satisfied initial requirements for independent

research. The following subjects will be studied in the Seminary in the academic year 1922-1923: (1) The Epic Poetry of the Anglo-Saxon period; (2) The Poetic Works of Milton. Professor BRIGHT. *Tuesday and Thursday,* 3-5 *p. m.*

2. Interpretation of Middle and Modern English Texts (first half-year). Professor BRIGHT. *Monday,* 12 *m.*

3. A Study of the Principles of Criticism (second half-year). Professor BRIGHT. *Monday,* 12 *m.*

4. Lectures on the History of English Sounds and Syntax. Professor BRIGHT. *Wednesday,* 12 *m.*

5. An introductory course in Anglo-Saxon, with lectures on the Germanic and Indogermanic relationship of the language. Professor BRIGHT. *Friday,* 3-5 *p. m.*

6. The Journal Club of the English Seminary. Professor BRIGHT. *Alternate weeks, two hours.*

UNDERGRADUATE COURSES

English Composition

1. Rhetoric and English Composition.

A course in prose writing prescribed during the first year, consisting of a review of usage and the study of the principles of structure and style, in general and as exhibited in particular forms of discourse. The course will include parallel readings, exercises in the collection and ordering of material, and instruction in note-taking and the use of libraries.

Three hours weekly through the year. Associate Professor FRENCH and Assistants.

2. English Composition.

An elective course in practical writing, open only to engineering students in their first year who have entered with sophomore standing.

Two hours weekly through the year. Dr. LITZ.

3. The Forms of Prose Writing.

An advanced course in English composition, restricted to students who have successfully completed Course 1 or Course 2. A limited number of students will be admitted. Dr. LITZ.

Public Speaking

1. (*a*) Reading and Platform Speaking.

During the first half-year attention is paid to correct habits of breathing and to enunciation and expression.

(*b*) The Speech for Special Occasions.

The second half-year is devoted to the study and practice of speeches adapted to various special occasions. Some opportunity for drill in impromptu speaking is afforded at the close of the year

One hour weekly through the year. Associate Professor FRENCH and Assistants.

2. The Forms of Public Address.

An advanced course in oral English. Emphasis will be laid upon public discussion and persuasion. This course is open to students who have taken Public Speaking 1.

One hour weekly through the year. Mr. UHLER.

English Literature

1. English Literature, 1500-1625.

During the first half-year, an account of the revival of learning and its influence upon Elizabethan prose and verse, with the detailed study of selections from the poems of Spenser.

During the second half year, a survey of the development of the English drama and the reading and study of the more important comedies of Shakspere.

Three hours weekly through the year. Associate Professor FRENCH and an Assistant.

2. English Literature, 1780-1830.

English Literature of the romantic revival. Special attention will be given to the writings of Burns, Scott, Wordsworth, Coleridge, Byron, Keats, Shelley, Lamb, Hazlitt, and De Quincey.

Three hours weekly through the year. Professor GREENE.

3. American Literature.

A study of the various types of verse and prose as they are represented in American literature, with incidental reference to literary history and biography. The writing of themes and essays

based upon selected works, including the works of contemporary authors, will be an important part of the course.

Three hours weekly through the year. Associate Professor FRENCH.

Courses 1, 2, and 3 are planned for students who are taking a first course (in college) in English Literature.

Courses 4, 5, 6, and 7 are advanced courses for students who have already taken an introductory course. Course 1 is an appropriate introduction to Courses 4, 5, and 6; Course 2, to Course 7.

4. English Literature, 700-1500.

A survey of the literature before the Norman Conquest; an introduction to Middle English; careful reading of a few of the poems of Chaucer and rapid reading of other poems; reading of romances and lyrical poems.

Three hours weekly through the year. Professor GREENE.

5. Shakspere: Elizabethan Drama.

This course will include (*a*) the reading of a considerable number of the plays of Shakspere, and a careful study of two or three of the plays: (*b*) a survey of the development of the English drama from its origin to 1642; and (*c*) the reading of several of the plays of Marlowe and Ben Jonson,—and of other dramatists if time serves.

Three hours weekly through the year. Professor GREENE.

6. English Literature, 1625-1774.

First half-year: English literature from 1625 to 1674; special attention will be given to the English Bible and to the works of Milton.

Second half-year: From the Restoration to the death of Goldsmith (1660-1774); special attention will be given to the writings of Dryden, Addison, Steele, Swift, Pope, Gray, Goldsmith, and Johnson.

Three hours weekly through the year. Professor GREENE.

[This course will not be given in 1922 23.]

7. English Literature, 1830-1900.

A study of Victorian literature, chiefly as represented in poetry, essay, and novel. Special attention will be given to the writings of Tennyson, Browning, Arnold; Carlyle, Macaulay, Ruskin; Dickens, Thackeray, George Eliot.

Three hours weekly through the year. Professor GREENE.

GEOLOGY

The courses in Geology are arranged to cover the entire field of Geology from the elements to advanced discussions of special topics in Historical Geology, Paleontology, Petrography, Dynamical Geology, and Economic Geology. All of the courses are open to qualified students, but it is not required that all courses should be taken for advanced degrees. Sufficient latitude in requirements and selection of subjects is allowed to permit specialization based upon a thorough grounding in the fundamentals of the science as a whole.

The Undergraduate courses are open to advanced students whose previous work has not included the requisite amount of preliminary training for the advanced courses. They are so arranged that after the first year some latitude in selection is allowed to meet the requirements of students in chemistry, engineering, and geology.

The Graduate courses are so arranged as to permit a distinction between descriptive courses essential to all students of geology and more advanced courses leading to specialization in different aspects of the general subject. The order in which the courses are *generally* taken is indicated by the sequence below, but every effort is made to adjust the graduate courses as to time and subject matter to accomplish the maximum development of the individual student.

The Laboratory and Library are open every day from 8.30 a. m. until 5 p. m. and all the members of the teaching staff are generally present for conference or consultation.

UNDERGRADUATE COURSES

1. Elements of Geology.

Four lectures or recitations and three hours of laboratory work each week through the year. Professor SWARTZ.

This course is designed to give a general view of the subject of geology, and may profitably be pursued by those who wish to have some knowledge of the chief events of the earth's history. It includes

an account of the origin of the features of the surface of the earth, a discussion of the phenomena of earthquakes, volcanoes, mountain-making, and an outline of the past history of the earth.

Materials illustrative of the lectures are studied in the laboratory. Emphasis is placed upon the observation of geological phenomena in nature, the State of Maryland presenting features of unusual interest for such study. Frequent excursions are made to neighboring points where the principles of the science are studied in the field, while a longer trip is made in the Spring to places of special interest for geological study. This course is illustrated by maps, lantern views, and the rich collections of the University. A knowledge of elementary Physics is required for the pursuit of this course.

2. Mineralogy and Elementary Petrography.

Three lectures and six hours of laboratory work each week through the year. Professor SWARTZ.

This course includes the study of crystallography, and a discussion of the more important minerals. Numerous excursions are made to points of interest in the vicinity of Baltimore, which is unusually rich in the variety of its rocks and minerals.

Emphasis is laid upon laboratory work, which includes the study of crystal models, the identification of minerals by means of the blow-pipe and by inspection, and the examination of rocks in the laboratory and in the field. A knowledge of chemistry is required for the pursuit of this course.

3. Applied Geology.

Three lectures each week through the year. Professor MATHEWS.

This course is designed for students in geology and engineering who have had one or both of the preceding courses. Its aim is to show the relation of geological phenomena and geological conditions to human activities. It includes discussions of coal, oil, clay, building stones, water supply, etc., and imparts information on these subjects such as an educated man should possess. It does not include a treatment of the technical questions of metallurgy or mining.

[The course in Applied Geology will alternate with that in Commercial Geography to be given in 1922 23.]

4. Historical Geology.

Three lectures each week through the year. Professor BERRY.

This course aims to present the main events in the past history of the earth as disclosed by the stratified rocks and the relics of animal and plant life which they contain. Open to students who have taken Geology I.

5. Commercial Geography.

Three lectures each week through the year. Professor MATHEWS.

This course is offered to students of the University interested in political economy or other academic courses. It is designed to present a general picture of the physical features of the earth in their relations to commerce and industry; the characteristics of districts and commodities and the commercial inter-relationships of the various countries of the earth. While primarily for Juniors and Seniors, this course is open to all students.

[The course in Commercial Geography will alternate with that in Applied Geology not given in 1922 3.]

GRADUATE COURSES

1. Systematic Paleontology.

Three lectures and two afternoons of laboratory work each week through the year. Professor BERRY.

A systematic course in invertebrate paleontology and paleobotany covering the morphology, ontogeny, distribution, and phylogeny of the various groups represented in the geologic record and their existing representatives.

2. Systematic Petrography.

Three lectures and two afternoons of laboratory work each week through the year. Professor MATHEWS.

This course consists of two parts. The first aims to present the principles of optical mineralogy and a description of the optical properties of the more important minerals occurring in rocks. The second deals with the classification and description of the more important rocks of igneous, sedimentary, and metamorphic origin.

3. Geography.

Two hours each week through the year. Professor REID.

This course consists of two parts:

(a) General Geography, first half-year. This course is intended as introductory to the more detailed study of the problems of physical geology. It takes up the general characteristics of the earth as a whole, shape of its surface, distribution of land and water, and the general characteristics of the land and oceanic areas, etc.

(b) Exploratory and Geological Surveying, second half-year. This course covers the general methods of surveying, with special reference to the methods that would be used in explorations and the methods of working out the general structural geology of a region.

4. Economic Geology.

Three lectures and one afternoon of laboratory work each week through the year. Associate Professor SINGEWALD.

This course consists of four parts:

(a) Ore deposits of the United States. *Two hours through the year.*

A discussion of the mineralization and its distribution with descriptions of the principal ore deposits.

(b) Mineral Deposits of South America. *One hour through half-year.*

Discussion of geologic relations, mineralogic characteristics and genetic features of mineralization in the South American continent. Description of principal mineral deposits in each of the countries.

(c) Ore Deposits of Europe. *One hour through half-year.*

(d) Field trip in April to important mineral deposits of eastern Pennsylvania and New Jersey ($45.00).

5. Advanced Petrography.

Two lectures and two afternoons of laboratory work each week through the year. Professor MATHEWS.

This course aims to present by lectures and conferences topics of special importance in mineralogy and petrography, such as the properties of silicate magmas, eutectics, the physical chemistry of selected mineral systems, the role of colloids in geological phenomena, the principles underlying rock classification, the history of igneous activity, etc.

6. Dynamic and Structural Geology.

Two lectures each week through the year. Professor REID.

In this course special problems in physical geology and general physiography are considered in conferences and lectures. The topics considered include in physical geology such matters as the methods of determining the size and shape of the earth; the distribution of density of the earth; isostasy; tides; rigidity of the earth; temperature of the earth; estimates of its age; earth movements and the origin of mountain ranges; dynamics of faulting and folding; earthquakes; volcanoes; and photographic surveying.

In general physiography such subjects as the character and origin of various land forms, special problems of erosion and deposition, the physical character of lakes, rivers, and mountains, glaciers and glacial geology are taken up.

7. Advanced Paleontology and Historical Geology.

Two afternoons each week through the year. Professor BERRY.

One afternoon each week is devoted to conferences and special problems covering the principles and application of geological chronology and one afternoon each week is devoted to special problems in the interpretation of fossil faunas and floras. The seminar method is largely used and original work on the faunal and floral facies, succession, and their interpretation in terms of environment and for purposes of correlation is emphasized.

8. Advanced Economic Geology.

Three lectures and one afternoon of laboratory work through the year. Associate Professor SINGEWALD.

This course consists of three parts:

(a) Consideration by lectures and in seminar of the genesis and classification of ore deposits. Magmatic segregation, contact metamorphism, source and nature of mineralizing solutions, ore shoots and their cause, and the superficial alteration and enrichment of ore deposits are among the topics receiving special consideration.

(b) Microscopic study of ores in the laboratory.

Library

The Library of the Geological Department is a large collection of carefully selected works which contains practically all monographs and original publications referred to in geological literature, with sufficient text-books, compendiums, and other works of compilation to meet the needs of the less mature students. The library contains over 15,000 volumes and 16,000 pamphlets, and is being constantly enlarged by the acquisition of contemporaneous publications and old classic works. It is especially strong in the less accessible publications of the official Surveys of Europe and the more accessible official reports of America. All of the current serials received by the department, totalling 390-400, are analyzed and their contents catalogued by author, subject, locality, and geologic horizon, if necessary, giving to the students and staff valuable bibliographies from many viewpoints.

Collections

The study and reference collections are especially extensive, particularly in petrography, paleontology and economic geology. The various ore-producing regions of the world are well represented and the paleontologic materials from the classic localities of Europe are extensive. The Department has devoted much time to exploration in South America, and the ore deposits, minerals and fossils from that continent available for the work of advanced students is probably the most complete in the world.

Relations to Washington

The proximity to Washington makes available to the student the resources of additional extensive libraries and collections and affords the advantages of personal intercourse with the large group of scientific men at the Smithsonian Institution and National Museum, the U. S. Geological Survey, the Bureau of Mines, and the Geophysical Laboratory of the Carnegie Institution.

Relations to the Maryland Geological Survey

The Maryland Geological Survey has been conducted under the auspices of the Geological Department since 1896 and covers a wide variety of work. The geological work of the Survey has been devoted on the one hand to a study of the stratigraphy and paleontology of the State, and on the other to the mineral products, in both of which lines a large number of publications has resulted. The advanced students of the department are thus afforded unusual opportunities to participate in practical Survey activities. Many of them are employed during the year, especially during the summer vacation, in field work for which they receive remuneration. Field material for dissertations is frequently secured, which is subsequently worked up in the laboratory. Opportunity for publication is afforded by the Survey reports.

GERMANIC PHILOLOGY
GERMAN LANGUAGE AND LITERATURE

SEMINARY

The Seminary is divided into two sections. Section A (the Germanic Seminary) has for its object the philological study of the Old Germanic Languages and the historical study of German Grammar. This section will be conducted by Professor COLLITZ, and will meet twice weekly. During the first half-year the *Iwein* of Hartmann von Aue will be studied with special reference to text criticism, language, and versification. The second half-year will be given to the study of Old High German Texts.

Section B (the German Seminary) is chiefly concerned with the study of German Literature (both Modern and Middle High German), and will be conducted by Associate Professor KURRELMEYER. During the year 1922-23 this section will meet twice weekly. The subject for the first half-year will be German Literature at the period of *Sturm und Drang*. During the second half-year the Middle High German *Nibelungenlied* will be studied.

Members of Section A are advised to procure the edition of Hartmann's *Iwein* by Benecke and Lachmann (4. Ausgabe, Berlin, 1877), and (for the second half year) Braune's *Althochdeutsches Lesebuch* (8. Auflage, Halle, 1921) or Steinmeyer's *Die kleineren althochd. Sprachdenkmäler* (Berlin, 1916).

Students in Section B are requested to procure *Deutsche Nationallitteratur*, hrsg. v. J. Kürschner, Bde. 79 81 (*Stürmer und Dränger*), and Bd. 107 (*Goethes Kleine Jugendschriften in Prosa*); *Der Nibelunge Noth und die Klage*, hrsg. v. K. Lachmann, 5. Ausgabe, Berlin, 1878; *Das Nibelungenlied*, Schulausgabe mit Wörterbuch v. K. Bartsch, 6. Aufl., Leipzig, 1911, F. A. Brockhaus.

ADVANCED COURSES

GERMANIC PHILOLOGY

1. Systematic Phonetics (English, French, and German). *Two hours weekly, first half year.* Professor COLLITZ.

An essential feature of this course will be the study of Melville Bell's sound-system in comparison with the principal continental systems.

Students are recommended to procure W. Ripman's *Elements of Phonetics* (7th ed., London, 1918; Dent's Modern Language Series) and Henry Sweet's *Primer of Phonetics* (3rd ed., Oxford, 1906).

2. History of Teutonic Declension and Conjugation (for students of English and German).

Weekly through the year. Professor COLLITZ.

3. Old Norse.

Two hours weekly, second half year. Professor COLLITZ.

The essentials of Old Norse grammar will be studied in comparison with the corresponding phenomena in West Germanic. Specimens for critical reading will be selected from the Younger Edda.

H. Sweet, *An Icelandic Primer*, 2nd edition, Oxford, 1895.

4. Reynard the Fox in Flemish and Middle Low German.

Weekly through the year. Professor COLLITZ.

The Low German version will receive the chief share of attention.

Reinaert, herausgegeben von E. Martin, Paderborn, 1874; *Reinke de Vos*, mit Einleitung, Anmerkungen u. einem Wörterbuche von A. Lübben, Oldenburg, 1867.

GERMAN LANGUAGE AND LITERATURE

1. Old High German (Introductory Course).

Two hours weekly, first half-year. Professor COLLITZ.

Old High German will be studied in its relation to both Gothic and Middle High German.

Braune, *Abriss der althochdeutschen Grammatik*. 5. Auflage, Halle, 1919; Braune, *Althochdeutsches Lesebuch*. 8. Auflage. Halle, 1921.

2. Middle High German (Introductory Course).

Two hours weekly, first half-year. Associate Professor KURRELMEYER.

Paul, *Mittelhochdeutsche Grammatik*, 10. Aufl., Halle 1918; Hartmann von Aue, *Der arme Heinrich*, hrsg. von H. Paul; Lexer, *Mittelhochdeutsches Taschenwörterbuch*.

3. Goethe's Lyrical Poems.

One hour weekly, second half year. Associate Professor KURRELMEYER.

Goethe's Lyrical Poems will be studied chronologically, in a selection designed to illustrate the change and growth in Goethe's language and style.

4. Goethe's *Faust,* Second Part.

Two hours weekly, second half-year. Professor COLLITZ.

The second part of *Faust* must be regarded as Goethe's final word not so much to his own time as to mankind generally. An effort will be made to interpret the meaning of this message.

5. Das Junge Deutschland.

Two hours weekly, second half-year. Associate Professor KURRELMEYER.

The poets of Young Germany will be studied in connection with their opponents. A large collection of unpublished autograph letters of Gutzkow will be accessible for the study of the later period of this author.

6. The History of the German Novel in the Eighteenth Century.

Two hours weekly, first half year. Associate Professor ROULSTON.

A brief sketch of the novel before this period will be given, but the chief interest will be centered in the rapid development of the novel during the eighteenth century, the various foreign influences, and the rôle which the novel played in the life and thought of the nation.

7. The Life and Works of Gottfried Keller.

Two hours weekly, second half-year. Associate Professor ROULSTON.

This course will be a detailed study of Keller, and an attempt to fix his position in the literature from the point of view of our own day.

UNDERGRADUATE COURSES

German Elements.

Vos, *Essentials of German;* Gerstäcker, *Germelshausen;* Heyse, *Die Blinden;* Wilhelmi, *Einer muss heiraten;* von Wildenbruch, *Das edle Blut;* Prose Composition; Grammar.

Three hours weekly through the year. Associate Professor KURRELMEYER.

German Elements in the College Courses for Teachers is also open to Undergraduates.

German 1.

Modern Prose Readings: C. F. Meyer, Keller, Fontane, Sudermann, and others. Practical Exercises. Private Reading.

Four hours weekly through the year. Associate Professor ROULSTON.

German 2.

Contemporary German: Novel and Drama.

Three hours weekly through the year. Associate Professor KURRELMEYER.

German 3.

Goethe and Schiller: Goethe, *Faust;* Schiller, *Wallensteins Lager, Wallensteins Tod.*

Private Reading: Goethe, Selected Poems; Schiller, *Die Piccolomini.*

History of German Literature. Lectures and Assigned Readings.

Three hours weekly through the year. Associate Professor ROULSTON.

German 4.

Scientific German: Lassar-Cohn, *Die Chemie im täglichen Leben;* von Helmholtz, *Populäre Vorträge;* Walther, *Allgemeine Meereskunde.*

Two hours weekly through the year. Associate Professor KURRELMEYER.

German 5.

Medical German.

Three hours weekly through the year. Associate Professor ROULSTON.

This course is intended primarily for students who propose to enter the Medical School. It should, therefore, not be taken before the junior or senior year. Students should have had three years of German before entering this course.

GREEK

SEMINARY

The Greek Seminary meets twice a week under the direction of Professor MILLER. The Seminary consists of the director and advanced students. All graduate students, however, may have the privilege of attending the meetings. Each regular member is required to take his turn in the work of the Seminary, and special subjects for research are assigned according to progress and bent.

The plan of the Seminary is based on the continuous study of some leading author or of some special department of literature. Thus, during the last few years, the following subjects have been studied: Plato and Early Greek Philosophy, 1917-8; Greek Oratory, 1918-9; the Pre-Socratics, Plato and Lucian, 1919-20; Greek Comedy, 1920-21; Greek Historians, 1921-22.

During the next academic year, the study of the Greek Tragedians will constitute the chief occupation of the members. The students should possess texts of Aeschylus, Sophocles, and Euripides, and A. S. Hunt's *Tragicorum Graecorum fragmenta papyracea nuper reperta* (Oxford Press).

OTHER GRADUATE COURSES

Professor MILLER will conduct also the following courses:

1. The Greek Tragedians. *Weekly lectures through the year.*

2. Aristotle's *Poetics. Weekly, October to December.*

3. Pseudo-Longinus περὶ ὕψους. *Weekly, January to March.*

4. Dionysius of Halicarnassus, *De Compositione Verborum. Weekly, April to June.*

5. Greek Composition. *Weekly through the year.*

6. Bi-weekly conferences for the discussion of recent publications.

Professor ROBINSON will conduct a weekly course in Aeschylus.

UNDERGRADUATE COURSES

Greek Elements *a*.

Benner-Smyth, *Beginner's Greek Book;* Xenophon, *Anabasis.*

Four hours weekly through the year. Dr. BAKER.

This course is intended for students, graduate or undergraduate, who have had no previous training in Greek. It is open not only to those who wish to make Greek a more or less integral part of their course of study, but also to students of other subjects who feel the need of an elementary knowledge of Greek for the better prosecution of their respective lines of work.

Greek Elements *b*. (For students of medicine, the natural sciences, etc.)

Three hours weekly, second half-year. Dr. BAKER.

The object of this course is to familiarize the student with the roots that underlie the most common derivatives from Greek in English, and to impart a knowledge of the rules of formation of such derivatives. It will consist of a series of lectures and practical exercises, and will not aim to impart a reading knowledge of the language.

Intermediate Greek.

Prose Selections and Homer.

Four hours weekly, through the year. Dr. BAKER.

This course is planned for those who have completed Greek Elements *a*, and is designed to connect with Greek 1.

Greek 1.

Xenophon, *Memorabilia* (selections).

Plato, *Apology.*

Herodotus (selections).

Three hours weekly, through the year. Dr. BAKER.

Private Reading: Plato, *Crito;* Homer, *Odyssey* (two books).

Greek 2.

Lysias (selections); Isocrates (selections).

Euripides (one play).

Three hours weekly, through the year. Dr. BAKER.

Private Reading: Xenophon, *Hellenica* (book 1); Lucian (selections).

Greek 3.

Plato, *Protagoras.*

Lyric Poets.

Sophocles (one play).

Three hours weekly, through the year. Dr. BAKER.

Private Reading: Elegiac and Iambic Poets; Euripides (one play).

NOTE.—Of the courses designated as Greek 1, Greek 2, and Greek 3, only those will be given for which there is a demand.

Greek 4.

Thucydides VII (selections).

Aristophanes, *Frogs.*

Two hours weekly, through the year. Dr. BAKER.

Greek Literature, with reading of selected passages.

Weekly, one year. Professor ROBINSON.

Private Reading: Demosthenes (select orations); Aeschylus (one play).

NOTE 1.—The course in Thucydides and Aristophanes will not be given unless there is a demand for it.

NOTE 2.—Greek Literature (Greek 4), Roman Literature (Latin 3), Greek Life (Archæology 3) and Roman Life (Archæology 1), each one hour weekly for one year, are open to all students. A combination of any three of these courses is counted as a full course.

HISTORY

Facilities for research are offered in the principal fields of history. Special attention is given to methods of investigation and each advanced student comes under the personal direction of the instructors in his chosen field. This supervision is obtained through seminary meetings and frequent private consultation.

In addition to the library of the University, students make use of the admirable collections of source material in the Peabody Library and the Maryland Historical Society, and are in constant touch with the great resources of the Library of Congress and the departments in Washington. The University library is constantly receiving accessions of historical works and documentary material.

GRADUATE COURSES

The courses in history are planned to cover three years of continuous study, and will be given in the years indicated, subject of course to change in detail.

1. The British Colonial System and the American Revolution. Professor LATANÉ.

Two hours weekly, first half year. 1922-23.

2. American Constitutional and Political History, 1789-1865. Professor LATANÉ.

Two hours weekly, first half-year. 1923-24.

3. American History since the Civil War. Professor LATANÉ.

Two hours weekly, first half-year. 1924-25.

4. Anglo-American Diplomatic Relations. Professor LATANÉ.

Two hours weekly, second half-year. 1922-23.

5. Latin-American History and Diplomacy. Professor LATANÉ.

Two hours weekly, second half-year. 1923-24.

6. American Diplomacy in the Orient. Professor LATANÉ.

Two hours weekly, second half-year. 1924-25.

7. Seminary in American History. Professor LATANÉ.

The Seminary in American history meets for two consecutive hours on alternate Wednesdays. Membership is limited to graduate students who are making history their principal subject. In order that the student may concentrate his attention on a given period or topic, the work of the Seminary parallels to a large extent that of the lecture courses; that is, the topics assigned for investigation and report are closely related to the lectures and involve a more detailed study of the source material than can be given in the lectures.

8. Early Institutions and the Origins of European States. Professor VINCENT.

A study of the constitutional foundations of Western Europe.

Two hours weekly, first half-year. 1922-23.

9. The Close of the Middle Ages. Professor VINCENT.

The decline of feudalism and the age of discovery.

Two hours weekly, second half-year. 1922-23.

10. The Period of the Reformation. Professor VINCENT.

Includes the preparatory stages and the political complications of the reform movement on the Continent and in England.

Two hours weekly, first half-year. 1923-24.

11. Europe in the Seventeenth Century. Professor VINCENT.

Social and constitutional development in Western Europe and the Puritan Revolution in England.

Two hours weekly, second half-year. 1923-24.

12. The Ancient Régime and the French Revolution. Professor VINCENT.

A study of economic and social conditions.

Two hours weekly, first half-year. 1924-25.

13. The Nineteenth Century. Professor VINCENT.

The development of modern nationalism and the tendencies of European political self-government.

Two hours weekly, second half-year. 1924-25.

14. Seminary in European History. Professor VINCENT.

The Seminary provides an opportunity for coöperative investiga-

tion of historical problems, and the subjects are usually chosen from the field covered by the lectures of the same year. Discussion of the nature of materials and mutual criticism of papers presented are the means taken to develop facility in research and sound historical judgment. Eventual dissertations are given individual attention by the professor outside of the seminary.

15. History of Greece. Prehistoric, Minoan, and Mycenaean Periods. Associate Professor MAGOFFIN.

One hour weekly through the year. 1924-25.

16. History of Greece from the Dorian Invasion through the Persian Wars. Associate Professor MAGOFFIN.

One hour weekly through the year. 1922-23.

17. History of Greece from the Peloponnesian War to the destruction of Corinth. Associate Professor MAGOFFIN.

One hour weekly through the year. 1923-24.

18. History of Italy and Rome from the Earliest Times to the year 133 B. C. Associate Professor MAGOFFIN.

One hour weekly through the year. 1924-25.

19. History of Rome from 133 B. C. to 69 A. D. Associate Professor MAGOFFIN.

One hour weekly through the year. 1922-23.

20. History of the Roman Empire from 69 A. D. through the Barbarian invasions. Associate Professor MAGOFFIN.

One hour weekly through the year. 1923-24.

21. Seminary in Roman History. Associate Professor MAGOFFIN.

Roman municipal and provincial administration: the organization, government, and economic conditions of the Empire.

SPECIAL LECTURES

The Albert Shaw Lectures on Diplomatic History are given annually by investigators in selected fields of American and foreign relations. The lecturer for the current session is Associate Professor Lindsay Rogers, of Columbia University, whose subject is "Popular Control of Foreign Policy." Ten volumes of Shaw Lectures have been published by the Johns Hopkins Press.

The James Schouler Lectures on History and Political Science are given annually by men of prominence, upon topics indicated in the title of the lectureship. These lectures are open to the public as well as to the students and members of the University. The lecturers on this foundation have been Dr. Abbott Lawrence Lowell, president of Harvard University; George Walter Prothero, Litt. D., formerly professor of history in the University of Edinburgh; Professor John Bassett Moore, of Columbia University; Dr. James Schouler; Professor Joseph Redlich, of the University of Vienna; Hon. Charles Francis Adams; Professor William A. Dunning, of Columbia University; Dr. David Jayne Hill; Dr. Paul S. Reinsch; and Dr. J. Holland Rose, of the University of Cambridge.

Other lectures of interest to the students of this department, either open to the public or designed for class instruction, are given from time to time by distinguished scholars outside the University. These lectures are, in part, provided for from the income of the funds bequeathed by the late Professor Herbert B. Adams and Mr. A. J. Robinson.

UNDERGRADUATE COURSES

1. History of Greece and Rome. Associate Professor MAGOFFIN.

The political, constitutional, social, and industrial history of Greece and Rome, approached through the translated texts of Herodotus, Thucydides, Plutarch, Suetonius, Tacitus, Cassius Dio, and others, with the aid of modern authorities.

Three hours weekly through the year.

2. History of European Civilization. Professor VINCENT and Dr. THACH.

Intended primarily for freshmen, this course will extend from the eighth through the eighteenth century with studies of the political, social, and intellectual development of the leading nations of Western Europe. By means of lectures, text-books, and references, the foundations of modern civilization will be sought and examined.

Three hours weekly through the year.

3. History of Modern Europe. Professor VINCENT and Dr. THACH.

An advanced course for the study of the French Revolution and the Nineteenth Century.

Three hours weekly through the year. 1922-23.

4. English History. Professor VINCENT and Dr. THACH.

Chiefly constitutional and political, dealing with the origin and development of parliamentary institutions, the relations of England with continental Europe, and the modern expansion of the British Empire.

Three hours weekly through the year. 1923-24.

5. American History. Professor LATANÉ and Dr. THACH.

The discovery and settlement of America, British colonial policy, the Revolution and the adoption of the Constitution, the development of nationality, the slavery conflict, reconstruction, expansion, and international relations.

Three hours weekly through the year.

LATIN

The Latin Seminary meets twice a week through the year. It consists of the director, fellows, scholars, and such advanced students as have given satisfactory proof of their ability and training. Any graduate student is at liberty to attend the exercises, but only regular members are permitted to take part in the work. The seminary work will center about the important authors of the following periods: Early Republican writers (especially Plautus and Terence) 1921-22; Late Republican period (especially Lucretius and Catullus) 1922-23; Early Augustan period (especially Vergil and Horace) 1923-24. In addition to the seminary, courses in special authors and departments of literature, in grammar and composition, literary history, etc., will be scheduled three hours weekly in a three-year sequence.

During 1922-23 the graduate courses will be as follows:

1. Seminary in Lucretius and Catullus.

Professor FRANK. *Two hours weekly.*

2. Cicero's Philosophical Works.
   Professor MUSTARD. *Two hours weekly.*

3. Cicero's Correspondence.
   Professor FRANK. *One hour weekly.*

UNDERGRADUATE COURSES

1. Livy (selections); Horace (selections); Prose Composition.
   Four hours weekly through the year.

2. Tacitus, *Annals* (selections); Pliny's *Letters* (selections); Catullus.
   Three hours weekly through the year.

3. Lucretius (selections); Vergil, *Georgics;* Horace, *Ars Poetica.*
   Three hours weekly through the year.

4. Roman Comedy (selections); Roman Satire (selections).
   Three hours weekly through the year.

5. Advanced Latin Composition.
   Weekly through the year.

MATHEMATICS

The advanced courses are so arranged that a qualified student gets in three years the more important points of view of the whole subject. The courses are elastic in character, subjects being introduced as they are needed. In general, the plan pursued is to further independent inquiry on the part of the student. Once embarked on investigation, he uses all the apparatus of lectures and library with intelligent purpose. The seminary, which meets weekly, is primarily intended for the presentation of the results of the student's own thinking. Literature either intrinsically important or opportune is presented and discussed in the reading class, which also meets weekly. The following courses are offered:

ADVANCED COURSES

1. Mathematical Seminary.

One hour weekly. Professor MORLEY.

2. Reading Class.

One hour weekly. Professor MORLEY.

3. Higher Geometry.

Three hours weekly, first half-year. Professor MORLEY.

This is a general course in Geometry, covering in three years such matters as Projective Geometry, the Invariants of Algebraic Forms, Line Geometry, Conformal Geometry.

4. Theory of Functions.

Three hours weekly, second half-year. Professor MORLEY.

Algebraic Functions and their Integrals; Elliptic, Elliptic Modular, and General Automorphic Functions; Theory of the Potential.

*5. Dynamics.

Two hours weekly, second half-year (every other year). Professor MORLEY.

Special stress is laid on Rigid Dynamics.

*6. Vector Analysis.

Two hours weekly, first half-year (every other year). Professor MORLEY.

7. Elementary Theory of Functions.

Two hours weekly. Associate Professor COHEN.

An introduction to the theories of functions of a real and a complex variable.

8. Differential Equations.

Two hours weekly. Associate Professor COHEN.

Including, in three years, Ordinary Differential Equations, their Integral Curves and Singular Points; Partial Differential Equations; Lie's Theory.

*9. Differential Geometry.

Two hours weekly. Associate Professor COHEN.

Including a study of Curves in Space; Surfaces and Lines upon them; Quadratic Differential Forms; Invariants.

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* Courses thus marked will *not* be given in 1922-23.

*10. Calculus of Variations.

Two hours weekly. Associate Professor COHEN.

*11. Theory of Numbers.

Two hours weekly. Associate Professor COHEN.

12. Theory of Groups.

Two hours weekly. Dr. MUSSELMAN.

Including Theory of Equations, Finite Geometries, Theory of Algebraic Forms.

*13. Theory of Correspondence.

Two hours weekly. Dr. MUSSELMAN.

Including such matters as Cremona Transformations, General Birational Transformations.

*14. Theory of Probability.

Two hours weekly. Dr. MUSSELMAN.

Including applications to Statistics and the Theory of Errors.

*15. Electricity and Magnetism.

Three hours weekly. Associate Professor MURNAGHAN.

Application of spherical and cylindrical harmonics; the theory of transmission of signals with special reference to long-distance telephony and wireless telegraphy.

16. Dynamics of a Particle and of Rigid Bodies.

Three hours weekly. Associate Professor MURNAGHAN.

Including a discussion of the structure and stability of the atom; Gyroscopic motion; The Theory of Integral Invariants applied to the partial differential equations of dynamical theory.

*17. Modern Theory of Gravitation.

Two hours weekly, first half-year. Associate Professor MURNAGHAN.

*18. Elasticity and Hydrodynamics.

Three hours weekly. Associate Professor MURNAGHAN.

An introduction to the theory of elastic media and the propagation of waves.

UNDERGRADUATE COURSES

1. Analytic Geometry; Elements of Calculus.

Three hours weekly. Associate Professor MURNAGHAN, Dr. MUSSELMAN, Dr. NELSON, and assistants.

Conference. *Two hours weekly.*

This course is open to those students only who are credited with Trigonometry for matriculation. The course counts eight points towards graduation.

01. Trigonometry; Analytic Geometry; Elements of Calculus.

Three hours weekly. Dr. NELSON and assistants.
Conference. *Two hours weekly.*
This course is for students who enter without Trigonometry; it counts six points towards graduation.

2. Differential and Integral Calculus.

Three hours weekly. Professor HULBURT, Associate Professors COHEN and MURNAGHAN, Dr. MUSSELMAN, and Dr. NELSON.
Conference. *Two hours weekly.*

3. Applications of Calculus; Differential Equations; Mechanics.

Three hours weekly. Associate Professor COHEN.

4. Advanced Calculus.

Three hours weekly. Professor HULBURT.
Conference. *Two hours weekly.*

5. Elementary Theory of Probability.

Two hours weekly. Dr. MUSSELMAN.
Including the Theory of Least Squares, the derivation of empirical formulae, and the application of mathematical methods to statistics.

6. Projective Geometry; Higher Plane Curves.

Three hours weekly. Professor HULBURT.
Conference. *Two hours weekly.*

In connection with the three hours' class-room instruction, the instructor in certain courses meets his students weekly in a two-hour session for the purpose of supplementary explanation and application of the principles taught in the class-room. This is that part of the courses designated as "Conference." It is not intended thus to increase the amount of work required of the student, but rather to aid him in the understanding and preparation of the work of the class.

MILITARY SCIENCE AND TACTICS

THE RESERVE OFFICERS' TRAINING CORPS UNIT

The purpose of the Reserve Officers' Training Corps is to provide a reservoir of trained men to serve as officers in the event of war.

The War demonstrated that it does not take four years of monotonous parade-ground drilling to make an officer. The Johns Hopkins University was the first educational institution to recognize this fact, and instituted a course of one-year drill ground and three years of theoretical work, five hours a week being devoted to the Military Department. Despite the fact that the course is only four years old, the institution was "*Distinguished*" in 1920 and 1921; that is, its military department was rated as one of the twenty-one Distinguished Colleges in the United States.

1. *Disadvantages of the R. O. T. C. Work:*
   (a) You must attend your military classes and drills and conduct yourself with credit to the University and the country in order to be permitted to remain in the Department.
   (b) For any grave offense one may be given a dishonorable discharge from the R. O. T. C., which prevents him from graduating.
   (c) You must give the Military Department five hours of your time each week. You are required to make previous preparation for one lesson each week.
   (d) You must sign an agreement with the Government to continue the course for two years, at the end of which time you may sign another agreement for two years, if selected by the President of the University and the Professor of Military Science and Tactics for the advanced course.
   (e) You must keep your gun, equipment, and uniform clean.
   (f) During the time allotted by the University to this work you will be required to work hard mentally and physically. (This is not a disadvantage, but it is stated as such in order that full light may be thrown on the subject.)
   (g) You must provide yourself with a military text-book.

2. *Advantages of R. O. T. C. Work:*

(a) We make a specialty of physical development, which will make every young man stronger and have a better carriage.

(b) We teach discipline and the advantages to be derived therefrom.

(c) You become quickly associated with a college activity. The Military Department is more than a department. It is a college activity in competition with other colleges.

(d) You quickly meet a large number of students of the right type.

(e) You do not have to take the two years' course in Physical Training, which is required of all students not in the Military Department, and for which no academic credit is given.

(f) The following Academic Credits are allowed for a successful completion of each year in the Military Department:

First year	3 points
Second year	4 points
Third year	5 points
Fourth year	5 points
Total	17 points

(g) You may attend a senior basic summer camp of six weeks' duration after your Freshman or Sophomore year. The attendance at the basic camp is restricted to 5 per cent. of the total number of such students enrolled in the unit on February 15th. You do not receive any pay while attending the senior basic camp, but you will be furnished with transportation, subsistence, uniform, equipment, and medical attendance. To draw any money from the Government, you must attend a senior advanced camp during your last two years in the Military Department.

(h) In case you are taking the engineering course, you are given engineering credit for your six weeks at the camp. You are advised to take this camp in the advanced course, after your Junior year.

(i) During your first two years in the Military Department, you receive in addition to your collegiate allowances, liberal allowances from the Government, which include a specially designed tailor-made uniform, transportation to and from camp and subsistence while there. Should you elect military training for the last two years of your course, you

not only receive the above allowances, but in addition you are paid for rations, the present rate of which is 40 cents per diem. While at camp you are not paid for the rations, as the Government actually boards you, but you are paid at the rate of $1.00 per day while there.

Excluding transportation to and from camp and medical attention while there, you will receive from the Government—

Uniform allowance for 1st year	$30.00
Allowance for repairs to uniform, 2nd year	6.00
Uniform allowance for 3rd year	30.00
Allowance for repairs to uniform, 4th year	6.00
Commutation of rations for 3rd year (paid in cash)	105.20
Rations (food) while at advanced camp	26.46
Pay while at advanced camp (42 days at $1.00)	42.00
Commutation of rations for 4th year (paid in cash)	129.20
	$374.86

(k) You are taught to shoot the rifle, and you have a chance to make the University team in the Intercollegiate Rifle Matches.

(l) You will learn to shoot the pistol, automatic rifle, machine gun, one pounder, and trench mortar.

(m) You will come in intimate contact with officers who served in France.

(n) You will have a chance to become a non-commissioned officer in your second year, and a Cadet Officer in your last two years.

(o) At the end of four years you may become a Reserve Officer in the Army, if you desire, provided you have made satisfactory progress in the military department.

(p) Much of the theoretical military work dovetails in with your academic and engineering work.

(q) If the College remains on the Distinguished List, you will have an opportunity of being commissioned a Second Lieutenant in the Regular Army without examination, on your graduation.

(r) During your last two years you have an opportunity of becoming a member of a very exclusive military society, "Scabbard and Blade."

(s) You are subject to military discipline only when at drill and in the military classroom.

(t) The more important theoretical subjects of instruction in the Military Department are as follows: Military Hygiene, First Aid and Sanitation, Topography, Minor Tactics, Field Engineering, Musketry, Military History and Policy of the United States Military Law, and Rules of Land Warfare, and a study of Army Paperwork.

ORIENTAL SEMINARY

The various courses are adapted to the requirements of four classes of students, namely: (*a*) students of theology wishing to obtain a thorough acquaintance with the sacred tongue and its sister idioms as a means of elucidating Scripture and problems of the comparative history of religion; (*b*) students of linguistics intending to make comparative grammar of the Semitic languages their specialty; (*c*) students of Oriental history and archæology desirous of drawing directly from the original sources; (*d*) persons looking for instruction in the living Oriental languages (as modern Arabic, Turkish, Persian, modern Hebrew, Amharic, Malay, Tagalog, etc.) for practical purposes.

A room has been set apart containing a well-equipped working library for all the branches of Oriental research (including the library of the late Professor A. Dillmann, of Berlin, the Leopold Strouse Semitic Library, a special collection of works on Philippine dialects, etc.), and some advanced students are usually present to help in the preparation for the recitations conducted by the Director of the Seminary, and to furnish any other aid that may be desired. The bulk of the Oriental libraries is kept in a section of the General Library, with a special entrance opposite the door to the Oriental Seminary. On the same floor are some archæological and antiquarian collections, including the Cohen and the Dennis Collections of Egyptian Antiquities, the Sonne-

born Collection of Jewish Ceremonial Objects, collections of Hebrew and other Oriental manuscripts, Babylonian seal-cylinders and clay tablets, etc.

The following courses are offered for the academic year 1922-23:

Oriental History, Archæology, and Literature

1. History of the Ancient East (Egypt, Babylonia, Assyria, Persia, Israel, and Judah). Dr. BLAKE. *Wednesday,* 5 *p. m.*

2. Biblical Archæology (Egypt, Babylonia, Palestine). Dr. DOUGHERTY. *Thursday,* 5 *p. m.*

3. The Literature of the Old Testament (with special reference to date and authorship). Dr. ROSENAU. *Monday,* 5 *p. m.*

4. Interpretation of Selected Chapters of the Authorized Version. Professor HAUPT. *Tuesday,* 5 *p. m.*

Biblical Philology

5. Elementary Hebrew. Associate Professor EMBER. *Three hours weekly.*

6. Hebrew: Second Year's Course. Associate Professor EMBER. *Two hours weekly.*

7. Comparative Hebrew Grammar. Dr. BLAKE. *Monday,* 4 *p. m.*

8. Prose Composition (Hebrew, Arabic, Assyrian). Professor HAUPT. *Tuesday,* 4 *p. m.*

9. Old Testament Seminary (Critical Interpretation of the Book of Isaiah). Professor HAUPT. *Friday,* 3–5 *p. m.*

10. Cursory Reading of the Hebrew Bible. Dr. ROSENAU. *Tuesday,* 10 *a. m.*

11. Post-Biblical Hebrew (Selections from the Mishnah and the Talmud). Dr. ROSENAU. *Tuesday,* 9 *a. m.*

12. Rabbinical Commentaries. Dr. ROSENAU. *Tuesday,* 11 *a. m.*

13. Talmudic Aramaic Grammar. Dr. ROSENAU. *Monday, 9 a. m.*

14. Biblical Aramaic Grammar and Interpretation of the Aramaic Portions of the Book of Ezra. Dr. BLAKE. *Monday, 3 p. m.*

Syriac and Ethiopic

15. Syriac for Beginners. Dr. BLAKE. *Wednesday, 3 p. m.*

16. Elementary Ethiopic. Dr. BLAKE. *Wednesday, 4 p. m.*

Arabic

17. Elementary Arabic. Associate Professor EMBER. *Tuesday, 1–3 p. m.*

18. Selections from the Koran. Associate Professor EMBER. *Monday, 10 a. m.*

19. Early Arabic Poetry. Associate Professor EMBER. *Wednesday, 11 a. m.*

20. Modern Arabic (Palestinian and Egyptian). Associate Professor EMBER. *Wednesday, 12 m.*

21. Arabic Prose Composition. Professor HAUPT. [See No. 8.]

Assyriology

22. Cuneiform Historical Texts. Dr. DOUGHERTY. *Thursday, 3–5 p. m.*

23. Interpretation of Selected Bilingual Hymns. Professor HAUPT. *Friday, 5 p. m.*

24. Assyrian Prose Composition. Professor HAUPT. [See No. 8.]

Egyptology

25. Elementary Egyptian. Associate Professor EMBER. *Monday, 11 a. m.*

26. Hieratic Texts. Associate Professor EMBER. *Monday, 2 p. m.*

27. Elementary Coptic. Associate Professor EMBER. *Wednesday,* 9 *a. m.*

28. Coptic (Second Year's Course). Associate Professor EMBER. *Tuesday,* 4 *p. m.*

Malayo-Polynesian Philology

29. Tagalog for Beginners. Dr. BLAKE. *Monday,* 5 *p. m.*

Journal Meeting

30. Journal Meeting. Professor HAUPT. *Tuesday,* 3 *p. m.*

PHILOSOPHY

Students having philosophy for their principal subject may either carry on most of their work within the traditional group of philosophical disciplines, or form new groupings of studies traversing the usual departmental lines. It is considered important by this department that prospective teachers of philosophy should, in any case, have a broad general training either in the humanities or in the natural or social sciences, and should be able definitely and fruitfully to correlate their philosophical studies and teaching with at least one other province of inquiry. Candidates for degrees in philosophy are therefore advised to decide early in their residence in which of the following groups they will chiefly work:

I. General systematic philosophy.
II. Logic and scientific methodology.
III. Ethics.
IV. The history of philosophical systems and of philosophical ideas in literature and in the sciences.

Candidates who elect I will have most of their work for their principal subject in philosophy, while taking the usual two subordinates in other subjects. Those who specialize in

II, III or IV may be required to pursue studies in the other philosophical subjects, but may also take an equal amount of suitably correlated work in other departments, which will be credited towards the requirements in the principal subject. Those who elect II, for example, should take courses in psychology, in mathematics, and in at least one of the experimental physical sciences and in its history. Those who specialize in III should do some work in political science and economics; those who specialize in IV should carry on some studies in the history of literature and the history of scientific hypotheses.

GRADUATE COURSES

1. Individual Work.

To be separately arranged for each student. The work will consist of required reading, methodical analysis of problems, the presentation of a connected series of papers, and frequent conferences with the instructor. Professor LOVEJOY.

2. Seminary: Recent Realistic Theories.

The problem of perceptual knowledge and the meaning and validity of the psycho-physical distinction will be discussed in the light of an examination of Broad's *Perception, Physics and Reality*, S. Alexander's *Space, Time and Deity*, Whitehead's *The Concept of Nature*, Russell's *The Analysis of Mind*, Sellars's *Evolutionary Naturalism*, and *Essays in Critical Realism*.

Two hours weekly through the year. Professor LOVEJOY.

3. Philosophy of Romanticism.

History and analysis of the meanings of the terms 'romantic' and 'romanticism'; historical study of the nature, sources, interrelations, and influence of the principal new ideas and tendencies appearing in European thought in connection with the Romantic Movement, 1780-1830.

Two hours weekly through the year. Professor LOVEJOY.

4. Aesthetics.

The experience of the beautiful, and the experience of laughter and humor, considered in the light of modern biology and psychology; and the place and value of these experiences in the life of reason.

Three hours weekly through the year. Dr. COREY.

5. Aristotle and Aristotelianism.
Two hours weekly through the year. Dr. BOAS.

UNDERGRADUATE COURSES

1. History of Philosophy.

(*a*) Ancient and Medieval Philosophy.
Three hours weekly, first half-year. Dr. BOAS.

(*b*) Modern Philosophy.
Three hours weekly, second half year. Dr. BOAS.

2. Ethics.
Three hours weekly, first half-year. Dr. BOAS.
[Not to be given in 1922-23.]

3. The Problems of Philosophy.
The nature of philosophic inquiry; its relation to the sciences and arts; the principal types of philosophic doctrine as exemplified by contemporary thinkers.
Three hours weekly, second half-year. Dr. BOAS.
[Not to be given in 1922-23.]

4. Advanced Logic.
Analysis of propositions, definition, evidence, methods of proof, fallacies, the construction of scientific and philosophic argument.
Three hours weekly, first half-year. Dr. BOAS.

5. Theory of Knowledge.
Analysis of the classic theories of knowledge, with especial reference to thinkers since Locke.
Three hours weekly, second half-year. Dr. BOAS.

PHYSICAL EDUCATION

The Department of Physical Education has under its direction all the activities in Physical Training and Athletics and instruction in Personal Hygiene. The courses and work are arranged to best meet the needs of the students and it is essential that students receive due credit for the same before graduating. The course of Physical Training is required of all undergraduate students during the first two years of residence, unless they elect Military Training.

The authorities of the University, recognizing the importance of adequate supervision of the physical condition and welfare of students, have placed a Doctor of Medicine in charge as Director and the students are brought under suitable and expert advice.

It is obligatory for each entering undergraduate student to present himself to the Director of this department and undergo a careful physical and medical examination. Unless otherwise advised or incapacitated for any reason, he must take the physical training course during his first two years.

The class in Physical Training is conducted by competent instructors, and the work is done for the most part out of doors, on the campus. During the months of January and February, the course in personal hygiene is given. The courses are arranged to give a fairly comprehensive training in physical education.

The Physical Training course itself includes physical exercise, Personal Hygiene, and Athletics, to which are devoted three required periods a week during the academic year. Individuals regularly exercising on official team squads are credited with an equivalent amount of work on account of physical training.

The Gymnasium and Cage, which for so many years were the centre of athletic activities, were burned during 1919, together with other buildings in the old group in the city, and at present there are no permanent structures at Home-

wood for such use, though temporary provision is made to take care of the work of this department until the permanent Gymnasium group, consisting of a Gymnasium, Natatorium and Cage, is established.

Hopkins Field is the athletic exhibition ground at Homewood and is used for all the scheduled games and for practice. In its construction, attention was paid to the problem of drainage and this has made it an ideal playground. It is enclosed by one of the best quarter-mile cinder tracks in the country and an excellent 220-yard straightaway. Though not permanently established, adequate dressing room facilities are provided with lockers, showers and laboratories. Two stands of ferro-concrete and accommodating about 1500 spectators each have been erected. In addition to these, 5000 seats are provided in temporary or "knock-down" bleachers.

Immediately adjoining Hopkins Field are well-equipped tennis courts. A practice ground is just south of Hopkins Field, where the different sports are engaged in, while other areas are in preparation to provide for the physical activities of the students. Additional tennis courts adjoining the engineering buildings have been provided and these help to supply the recreative needs of the students.

In order to prevent ill-advised participation in outdoor sports and to guard against over-indulgence in training, athletic teams of the University are under the control of the Director; and no student is allowed to become a member of a team unless his physical condition is satisfactory and his strength up to the required standard; and no student is allowed to be a member of or a candidate for an athletic team who is seriously deficient in his studies.

Should a student elect Military Science, he is required to follow the work prescribed by the War Department of the United States Government. This does not preclude his taking an active part in athletics, but on the contrary he should supplement his military training by other work in the line of physical training or sports.

SCHEDULE, 1922-23

Physical examinations for members of the football squad previous to September 30. Medical and physical examinations daily at 4 o'clock, fourth floor, Gilman Hall, October 3 to October 20. Required of all first and second year undergraduates and those listed in the Military Corps.

Physical Training class on the campus October 16 at 4.10 p. m., continuing every Monday, Wednesday and Friday until December 20, resuming January 3, and continuing until May 1.

Lectures in Hygiene will be given in Gilman Hall in Room 112 at 4.10 p. m. on dates announced for the Physical Training class.

Athletic teams meet according to schedules arranged by the team officials.

PHYSICS

The Physical Laboratory offers facilities in the form of apparatus, libraries, and machine shops to students who wish to pursue experimental investigations in any field of Physics. If the results of these are to be offered as dissertations for the degree of Doctor of Philosophy, the work must be done under the general direction of the Director of the Laboratory, or of one of the other professors. For students carrying on experimental researches the laboratory is open daily, except Saturday, from 9 a. m. until 5 p. m., and on Saturday from 9 a. m. until 1 p. m.

Regular courses of instruction in Physics are given in the form of lectures and laboratory exercises. They may be classed as Advanced and Elementary. The former are designed for graduate students; the latter, primarily, for undergraduates.

ADVANCED COURSES

Seminary and Journal Meetings

All advanced students meet with the instructors twice each week—once in the Physical Seminary, once for the discussion of the current Physical Journals.

During the year 1922-23 the questions to be considered in the Seminary will refer to the History of Mechanics.

Lectures

1. General Physics.

Four hours weekly through the year. **Professor AMES.**

This is a series of lectures in Mathematical Physics continuing for three years and including the subjects of Theoretical Mechanics, Elasticity, Hydrodynamics, Sound, Thermodynamics, Heat Conduction, Electricity and Magnetism, and Light. During the year 1922-1923, the lectures will be on Electricity.

2. Selected Problems in Advanced Physical Optics.

Three hours weekly through the year. Professor WOOD.

The lectures are based upon Wood's "Physical Optics," and, in addition, refer to current work in the laboratory.

3. Electron Theory and Atomic Theories.

Two hours weekly, first half-year. **Associate Professor PFUND.**

Laboratory Courses

Special exercises in Physics in preparation for independent research, under the direction of Professors AMES and WOOD and Associate Professor PFUND.

For students following these courses the laboratory is open daily, except Saturdays, from 9 a. m. to 5 p. m.

ELEMENTARY COURSES

1. Elements of Physics.

Four hours weekly through the year. Professor BLISS (first half-year); Associate Professor PFUND (second half-year); and Instructors.

This course in General Physics comprises Mechanics, Heat, Electricity and Magnetism, Sound, and Light. Satisfactory completion of the course in Mathematics 1, or its equivalent, is a pre-requisite to admission.

2. Theoretical Mechanics.

Three hours weekly, one-half year. Professor AMES.

3. Thermodynamics.

Three hours weekly, one-half year. Professor AMES.

4. Physical Optics.

Three hours weekly, first half-year. Associate Professor PFUND.

5. Electricity and Magnetism.

Three hours weekly, second half-year. Professor BLISS.

These lecture courses will be in the mathematical theory of the subjects named, and a satisfactory completion of the courses in Mathematics 2 and Physics 1 will be assumed.

4. Laboratory Work and Practical Exercises for students in Course 1.

Six hours weekly through the year. Professor BLISS and Instructors.

5. Second and Third Year Laboratory Work.

Six hours weekly through the year.

The laboratory work in Mechanics includes methods of exact measurement of various mechanical quantities and natural constants.

That in Pyrometry is devoted chiefly to methods of measuring temperatures, including the use of thermocouples, resistance thermometers, and pyrometers, but a few other exercises are included illustrating the accompanying lecture course.

In Optics the students are given a thorough working knowledge of experiments dealing with fundamental principles, as well as of experiments involving the use of modern types of optical instruments, such as the plane and concave grating, Michelson and Fabry and Perot interferometers, polarimeters, etc.

In Electricity and Magnetism special attention is given to modern methods and instruments for the accurate measurement of the fundamental quantities.

POLITICAL ECONOMY

GRADUATE COURSES

The graduate instruction in Political Economy is designed primarily to meet the needs of advanced students preparing for a professional career in economic science. The courses afford systematic instruction in general economic principles, intimate acquaintance with special fields of economic activity, and, most important of all, knowledge of and ability to employ sound methods of economic research. The work centres in the Economic Seminary, the membership of which is limited to the most advanced students, and the primary design of which is to develop scientific research in economic study and investigation. Formal graduate instruction is offered in Economic Theory and in Applied Economics by parallel courses of lectures throughout the year. The particular topics treated vary from year to year. In 1921-22 Professor Hollander lectured two hours weekly on the theory of national prosperity in its historical development, and two hours weekly on the recent fiscal experience of the United States. Professor Barnett lectured on the history and character of labor problems.

The courses offered for 1922-23 are as follows:

1. The Economic Seminary.

Two hours weekly through the year. Professors HOLLANDER and BARNETT, Associate Professor WEYFORTH, Miss JACOBS, and Dr. MITCHELL.

The work of the year will be the study of representative forms of industrial development in the United States, and the analysis of significant activities of American labor organizations.

2. The Development of Economic Opinion.

Two hours weekly through the year. Professor HOLLANDER.

During the first half-year critical attention will be given to the doctrines of the minor economists of the English classical period. During the second half-year study will be made of the reaction from the Classical School.

3. Public Finance.

One hour weekly through the year. Professor HOLLANDER.

During the first half year, the history and theory of municipal finance will be studied. During the second half year attention will be paid to the present fiscal problems of American cities.

4. Corporation Finance.

One hour weekly through the year. Professor BARNETT.

During the first half year, attention will be given to the history of the industrial corporation and to its position in modern economic organization; during the second half-year, detailed study will be made of the financing of industrial corporations.

5. Banking in the United States since 1914.

Ten lectures in the second half-year. Associate Professor WEYFORTH.

Study will be made of the policy and practice of American banks during and after the Great War, with particular reference to the influence of the Federal Reserve System.

6. The Economics of Slavery.

Ten lectures in the first half-year. Dr. MITCHELL.

Examination will be made of the relative progress of slave and free territory in the United States in industrial and agricultural activities.

7. Social Case Work.

Four hours weekly through the year. Miss JACOBS.

This course deals with the fundamental principles underlying all case work, with particular emphasis laid on the family, normal and dependent, as the unit in society. The course requires as laboratory work twenty-one hours a week spent in the field with agencies dealing with dependent and delinquent individuals and families. Advanced students meet in conference two hours weekly through the year for the discussion and criticism of the results of investigations.

8. Social Economics.

During the first half-year Dr. RICHARD BOLT will lecture two hours weekly on Health and Preventable Disease; Associate Professor WEYFORTH will lecture two hours weekly on Social Statistics. There will also be a course, two hours weekly, on Immigrant Peoples, the lecturer to be announced hereafter.

During the second half-year Dr. FRANCIS LEE DUNHAM will lecture two hours weekly on Social Medicine; Judge CARROLL T. BOND will lecture two hours weekly on Social Work and Law; Professor E. V. MCCOLLUM will lecture two hours weekly for eight weeks, on Home Economics. There will also be courses, two hours weekly, on Community Problems and Organization, and two hours weekly on the Administration, Publicity, and Financing of Social Organizations, the lecturers to be announced hereafter.

Dr. MITCHELL will lecture two hours weekly through the year on Social Legislation.

Special courses of lectures will be given by non-resident lecturers upon such practical economic problems as charities and social reforms, railway transportation, industrial organization.

A reading class is organized yearly by the more advanced students of the department for co-operative study of economic texts and for critical discussion of current economic literature.

UNDERGRADUATE COURSES

1. Elements of Economics.

Particular attention is given to the theory of distribution and its application to leading economic problems.

Three hours weekly through the year. Associate Professor WEYFORTH and Dr. MITCHELL.

2. (*a*) Statistical Methods.

After a preliminary study of the value and place of statistics as an instrument of investigation, attention is directed to the chief methods used in statistical inquiry.

Three hours weekly, first half-year. Professor BARNETT.

(*b*) Money and Banking.

The principles of monetary science are taught with reference to practical conditions in modern systems of currency, banking, and credit.

Three hours weekly, second half-year. Associate Professor WEYFORTH.

3. (*a*) Labor Legislation.

The theory and practice of labor legislation are studied, with attention given to legal, economic and social considerations.

Three hours weekly, first half-year. Dr. MITCHELL.

(*b*) Investments.

Includes historical and analytical description of the more important forms of investments and theories of valuation and amortization.

Three hours weekly, second half-year. Professor BARNETT.

4. (*a*) Labor Problems.

The problems growing out of modern industrial employment will be studied.

Three hours weekly, first half year. Dr. MITCHELL.

(*b*) Corporation Finance.

The theory and practice of corporation finance are considered, with particular reference to the problems presented in the United States.

Three hours weekly, second half-year. Professor BARNETT.

[Course 4 will *not* be given in 1922 23.]

5. (*a*) Foreign Trade and Exchange.

The economic principles of international commerce, the methods of conducting foreign trade, and the theory and practice of foreign exchange will be studied.

Three hours weekly, first half-year. Associate Professor WEYFORTH.

(*b*) Economic History of the United States.

This course deals with the economic development of the country and with the way in which the economic motive has influenced our history.

Three hours weekly, second half-year. Dr. MITCHELL.

6. (*a*) Applied Statistics.

The applications of statistics to business and economic problems, such as price levels, cost of living, wage adjustments, business cycles, and business forecasting, are considered.

Three hours weekly, first half-year. Associate Professor WEYFORTH.

(*b*) Public Finance.

The theory and practice of finance are considered, with particular reference to the problems of taxation presented in the experience of the United States.

Three hours weekly, second half-year. Dr. MITCHELL.

[Course 6 will *not* be given in 1922-23.]

NOTE—Course 2 is open only to such students as have completed or are pursuing Course 1; Courses 3, 4, 5 and 6 only to students who have completed 1 and 2.

POLITICAL SCIENCE

GRADUATE COURSES

The graduate work in political science has for its aim the preparation of advanced students for professional and original work in the fields of constitutional law, international law and diplomacy, and political philosophy. It also seeks to supply the necessary training for those desiring to enter the higher branches of the public service, and to furnish a broad and philosophical equipment to those who expect later to pursue the study and practice of the law.

Seminary

A weekly seminary is conducted, at which reports upon special subjects are read by the students and discussed.

Lectures

The lectures are so arranged as to give three or more years of continuous instruction, covering the following subjects: the theory of the state (being a general introduction to the study of constitutional and international law), foreign constitutional law, United States constitutional law, international law and diplomacy, the legal aspects of economic and industrial problems, the history of political theories and of political literature, and historical jurisprudence.

The courses offered and the years in which they will be given are as follows:

1. Comparative Constitutional Law. Professor WILLOUGHBY.

Two hours weekly, second half-year, 1924-1925.

The principles of constitutional government will be discussed, and modern systems of government analyzed and compared.

2. Jurisprudence. Professor WILLOUGHBY.

Two hours weekly, first half-year, 1924-1925.

The nature of positive law, the processes by which it is developed, and the instrumentalities for its interpretation and enforcement will be examined.

3. Principles of Political Philosophy. Professor WILLOUGHBY.

Two hours weekly, half-year, 1922-1923.

The nature of political authority will be discussed from the juristic and ethical points of view.

4. The Legal Aspects of Industrial and Commercial Problems. Professor WILLOUGHBY.

Two hours weekly, half-year, 1922-1923.

The law, common and statutory, relating to such subjects as labor combinations, monopolies, railway regulation, workmen's insurance, employers' liability, factory inspection, minimum wage legislation, will be discussed. Especial consideration will be given to the police power and due process of law, and other constitutional questions.

5. American Constitutional and Political Theories. Professor WILLOUGHBY.

Two hours weekly, half-year, 1923 1924.

American political literature will be renewed, and the development of national sovereignty traced.

6. Ancient and Medieval Political Thought. Professor WILLOUGHBY.

Two hours weekly, half year, 1923-1924.

The political literature of Greece and Rome and of the Middle Ages will be surveyed.

7. United States Constitutional Law. President GOODNOW.

Two hours weekly, through the year, 1922-1923.

The "case system" of instruction will be employed.

8. The Law of Public Administrative Affairs. President GOODNOW.

Two hours weekly, first half-year, 1923-1924.

The "case system" of instruction will be employed.

9. The Law of Municipal Government and of Municipal Corporations. President GOODNOW.

Two hours weekly, second half-year, 1923-1924.

The "case system" of instruction will be employed.

10. Principles of International Law. President GOODNOW.

Two hours weekly through the year, 1924-25.

The "case system" of instruction will be employed.

11. Public Financial Administration. Mr. W. F. WILLOUGHBY.

One hour weekly, through the year, 1923-1924.

Modern systems of public financial administration will be considered, comparatively and critically, with especial reference to proper budgetary practice and procedure in the federal and state government of the American Union.

12. Principles of Public Administration. Mr. W. F. WILLOUGHBY.

One hour weekly through the year, 1924-25.

An examination will be made of the principles that should govern in the organization and operation of the administrative branch of governments, with especial reference to the National Government of the United States.

13. The Organization, Procedure, and Work of Congress. Mr. W. F. WILLOUGHBY.

One hour weekly, through the year, 1922-1923.

A detailed and critical discussion of the organization, procedure, and work of the legislative branch of the National Government of the United States. Comparisons will be made of the organization and procedure of the legislatures of the individual states of the Union and of the more important governments of Europe. Attention will also be given to current proceedings of Congress.

14. History of Political Philosophy in England and France, 1593-1870. Professor LOVEJOY.

Two hours weekly, through the year, 1922 23.

The principal authors studied will be Hooker, Hobbes, Harrington, Sidney, Locke, Montesquieu, Rousseau, Bentham, and J. S. Mill.

UNDERGRADUATE COURSES

1. The Government and Administration of Modern States. Mr. W. F. WILLOUGHBY.

Two hours weekly through the year.

This course will deal with the problem of government and the manner in which it has been met by the United States and other leading countries of the world. Especial emphasis will be laid upon the practical operations of government.

2. American Diplomacy. Professor LATANÉ and Dr. THACH.

Three hours weekly, first half-year.

A survey of American foreign policy from the birth of the nation to the present time.

3. Elements of International Law. Professor LATANÉ and Dr. THACH.

Three hours weekly, second half-year.

This course will deal with the attributes of sovereign states, their rights and duties as members of the family of nations, and the adjustment of international controversies.

PSYCHOLOGY

The principal work of graduate students who are candidates for degrees in psychology is research, either in the laboratory or in other places (dispensaries, schools, commercial plants, etc.) where materials for research are available. In research, under the direction of the staff, the student makes a contribution to psychology, while receiving the training which shall fit him for independent work. The psychological seminary is the meeting place for interchange of criticism and for the discussion of vital topics in the psychological field.

A certain number of graduate lecture courses are offered yearly, for the supplementation of the training of students in the department, for the benefit of students in other departments, and for special students desiring to follow limited lines of work. These courses, which are accessory to the main work of the department, are conducted on the three-year plan. Fundamental training courses are repeated yearly.

Undergraduate courses are offered for general purposes, and for the preparation of students for graduate work. Graduate students whose preparation is inadequate may be required to follow certain of these courses.

GRADUATE COURSES *

11. Advanced general psychology. Professor DUNLAP.

Lectures, with assigned readings, with the purpose of orientation in the scientific point of view in psychology.

Two hours weekly through the year. 1924-25.

12. Experimental methods in psychology. Mr. ISAACS.

This course is intended for students taking psychology as a subordinate subject, and needing training in the methods and technique of psychological experimentation. It is also advised for those students whose principal subject is psychology, but whose preparation for research is inadequate.

One conference hour and two laboratory periods weekly through the year.

13. Mental measurements. Associate Professor JOHNSON.

An advanced course in methods and technique. Students whose preparation for this course is deemed insufficient may be required to attend the lecture in Course 4 also.

One lecture or conference hour, and two laboratory periods weekly through the year.

14. Commercial and industrial application. Mr. ISAACS.

A study of methods and technique applicable to psychological problems of commerce and industry. A course in mental measurements is an essential prerequisite for this course.

Two hours weekly through the year.

15. Experimental methods. Professor DUNLAP.

A critical survey of general methods and special technique in psychology, based on the experimental literature.

Two hours weekly through the year.

18. The psychology of childhood. Associate Professor JOHNSON.

A study of the activities and development of normal and abnormal children, with a critical evaluation of methods and interpretations.

Two hours weekly through the year. 1923-24.

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* Courses not otherwise stated will be given in 1922-23.

19. Physiological psychology.

A study of the relation between conscious processes and organic responses.

Two hours weekly, first semester. 1924-25.

20. Abnormal psychology.

Lectures and readings on abnormal mental phenomena. A course in general psychology is the only essential prerequisite.

Monday, 4.10-6, first semester.

21. Experimental psychology: research. Professor DUNLAP and Associate Professor JOHNSON.

Individual research on selected problems. This constitutes the larger part of the work of students whose principal subject is psychology. Other students with adequate preparation may be admitted, but not less than nine hours a week may be elected.

27. Seminary in psychology. The department staff.

A topic is selected, and the reports of members of the seminary and the discussions for the year are upon phases of this topic. The topic for 1922-23 will be the psychology of childhood.

Two hours in one session weekly, through the year.

31. The processes and conditions of learning. Associate Professor JOHNSON.

Lectures and readings on the problems and conditions of the acquisition of habits of perception, thought, emotion and action.

Two hours weekly through the year. 1924-25.

34. Feeling and emotion. Professor DUNLAP.

Theories and experimental results in this field will be considered.

Two hours weekly, first semester. 1923-24.

36. Psychology of music. Mr. ORTMANN.

A study of the psychological foundations of musical production and appreciation and of the methods of measuring musical capacity.

Two hours weekly through the year.

37. Thought processes. Professor DUNLAP.

A study of the various forms of thought, including imagination and reasoning.

Two hours weekly, second semester. 1923-24.

UNDERGRADUATE COURSES

1. Introduction to general psychology. Professor DUNLAP.

A course designed to familiarize the student with the principal phenomena and the typical problems of mental life. The satisfactory completion of this course is prerequisite to admission to any of the other courses in Psychology.

Three hours weekly through the year.

2. Laboratory course. Mr. ISAACS.

Practice in the observation of typical phenomena, with training in the methods and technique of psychological research.

One conference hour and two laboratory periods weekly, through the year.

3. Social psychology. Professor DUNLAP.

A survey of the psychological factors involved in social life, and of the psychological methods of modifying social conditions.

Three hours weekly through the year.

4. Mental measurements. Associate Professor JOHNSON.

A study of the development and significance of mental tests, with training in the principles and technique of their application. Full consideration is given to the statistical treatment of test scores, and to graphic and other methods of presentation. Emphasis is placed on the evaluation of tests and methods rather than on the routine of application.

Two lecture and conference hours, and one laboratory period weekly through the year.

ROMANCE LANGUAGES

The Department of Romance Languages, founded by the late Professor A. Marshall Elliott, aims to give advanced instruction in the three principal languages of this group.

In order that the demands of all students may be met, the work of the Department varies from year to year. Particular emphasis is laid upon the study of French. The work of the seminaries in literature and language consists chiefly of original investigations made by the students under the

direction of the professor in charge. Supplementary courses are given in historical grammar, in Old French readings, and in various fields of modern literature. The latter are conducted in French and are made up of lectures, assigned readings, and written reports. In addition to the work in French, advanced courses in Spanish, Italian, Old Provençal, and Vulgar Latin are given, and provision is made for any who may desire to specialize in Spanish or Italian. The chief aim of the instruction is to teach students to work for themselves; for those, however, who do not feel sufficiently equipped to enter the seminaries with profit, the undergraduate courses in the College of Arts and Sciences and the College Courses for Teachers are recommended. All instructors and students form pleasant personal relations in the bi-monthly meetings of the Romance Journal Club.

The library facilities of the University, enlarged by the addition of the A. Marshall Elliott Library, and by substantial gifts in the domain of French literature, are supplemented by the numerous Romance works in the Peabody and Enoch Pratt Libraries, and by the readily accessible material in the Library of Congress.

ADVANCED COURSES [1]

French

Seminaries:

Old French Word Studies: The Glosses of Rashi.

Two hours fortnightly through the year. Associate Professor BLONDHEIM.

Racine.

Two hours weekly, October to February. Professor LANCASTER.

French Eighteenth Century Philosophers in America.

Two hours weekly, February to June. Professor CHINARD.

[1] Unless indicated otherwise, courses are given one hour weekly through the year. Courses marked (*) will be given in 1922-23 and not in 1923-24; those marked (†) will be given in 1923 24 and not in 1922 23. Courses not so marked are given annually.

Old French Historical Grammar.
Associate Professor BLONDHEIM.

Old French Readings.
Associate Professor BLONDHEIM.

†Advanced Old French Readings.
Associate Professor BLONDHEIM.

†The Sixteenth Century.
Professor LANCASTER.

†The Seventeenth Century. I. (1600-1660).
Professor LANCASTER.

*The Seventeenth Century. II. (1660-1700).
Professor LANCASTER.

*The Eighteenth Century Novel.
Professor CHINARD.

†Montesquieu and Rousseau.
Professor CHINARD.

†The Historical Novel During the Romantic Period.
Professor CHINARD.

*The Lyric Poetry of Victor Hugo.
Professor CHINARD.

*The Nineteenth Century Drama.
Professor LANCASTER.

Italian

†Boccaccio.
Dr. GRUENBAUM.

†Italian Classics.
Interpretation of selected texts. Dr. GRUENBAUM.

†Italian Historical Grammar.
Dr. GRUENBAUM.

Spanish

*Calderón.
Mr. ROBLES.

†Dramáticos menores del siglo de oro.
Mr. ROBLES.

†La Novela desde 1850.
Mr. ROBLES.

*La Critica literaria desde Menéndez y Pelayo.
Mr. ROBLES.

*Spanish Historical Grammar.
Dr. GRUENBAUM.

*Readings in Old Spanish Literature.
Dr. GRUENBAUM.

Provençal

*Old Provençal: Readings and Historical Grammar.
Weekly, second half-year. Associate Professor BLONDHEIM.

Vulgar Latin

*Introduction to Vulgar Latin.
Weekly, first half-year. Associate Professor BLONDHEIM.

UNDERGRADUATE COURSES

French

French Elements.

Grammar, Reading, Composition.

Four hours weekly through the year. Dr. WILLIAMS and Mr. SILIN.

French 1.

Nineteenth Century Prose Writers. Reading and Composition.

Four hours weekly through the year. Professor LANCASTER, Associate Professor BLONDHEIM, Dr. WILLIAMS, Mr. SILIN, and Mr. VERMONT.

French 2.

French Literature of the last three centuries. A survey course conducted in French. Lectures, reading, reports.

Three hours weekly through the year. Professor CHINARD.

This course is open to students who have completed French 1, or who have offered for matriculation three units of French.

French 3.

French Literature since 1880. A course conducted in French. Lectures, reading, reports.

Three hours weekly through the year. Dr. WILLIAMS.

This course is open to students who have completed French 2, or its equivalent.

French 4.

Advanced Grammar and Composition.

Weekly through the year. Professor CHINARD.

Italian

Italian Elements.

Phelps, *Italian Grammar;* Wilkins and Altrocchi, *Italian Short Stories;* Collodi, *Le Avventure di Pinocchio.*

Four hours weekly through the year. Dr. GRUENBAUM.

Italian 1.

Selections from classical authors. Italian composition. History of Italian literature.

Three hours weekly through the year. Dr. GRUENBAUM.

Spanish

Spanish Elements.

Grammar, Reading, Composition.

Four hours weekly through the year. Dr. WILLIAMS and Mr. VERMONT.

This course is offered to students in the Department of Engineering as an alternative to French Elements.

Spanish 1.

Modern Authors. Reading and Composition. A course conducted in Spanish.

Four hours weekly through the year. Mr. ROBLES.

Spanish 2.

†Contemporary Novel and Drama. A course conducted in Spanish.

Three hours weekly through the year. Mr. ROBLES.

Spanish 3.

*History of Spanish Literature: The Golden Age.

Three hours weekly through the year. Mr. ROBLES.

SANSKRIT AND COMPARATIVE PHILOLOGY

Courses of instruction, directed by Professor BLOOMFIELD, with the assistance of an Instructor or Fellow in Sanskrit, are provided in the Indo-Iranian languages (Vedic and Classical Sanskrit, Pāli and Prākrit, Avestan and Old Persian); in Comparative Grammar of the Indo-European languages; in historical Ethnology of the Indo-European peoples; and in general Linguistic Science. During recent sessions several courses in Lithuanian, one of the Balto-Slavic languages, were given, and for some years Dr. Edgerton, now Professor of Sanskrit in the University of Pennsylvania, conducted courses in Russian.

These courses aim to meet the wants of those who wish to devote themselves to the study of these branches exclusively and for their own sake, *i. e.*, those who wish to become specialists in Indic Philology, or Comparative Philology; they also meet the needs of students of languages or humanities in general, who wish to obtain a broader linguistic or historical basis for special studies in other departments of philology.

The advanced work aims to meet the wants of those who wish to make Indic Philology or Comparative Philology

their main study. The work centers in the Sanskrit Seminary, and not infrequently involves the use of Hindu manuscripts. The Veda, Classical Sanskrit, and Pāli-Prākrit (the latter in relation particularly to the important religious literatures of the Buddhists and the Jains) are treated successively, so as to furnish a rather intimate acquaintance with the main aspects of Hindu Philology.

A prolonged course in Sanskrit, involving two lectures a week during two years and attendance in the Sanskrit Seminary for a half-year (one hour a week), is planned, so as to furnish a good knowledge of Classical Sanskrit, and to include an introduction to the dialect of the Vedas. This amount of work represents material sufficient for the first subsidiary subject for the degree of Doctor of Philosophy. A course in the same study for one and a half years, involving two hours a week, is the amount required for a second subsidiary subject leading to the same degree. This minimum of Sanskrit affords not only a stable basis for the scientific study of any kind of language, but also for the study of Comparative Literature which is growing more and more dependent upon the ancient treasures of Hindu Literature.

A synopsis of the courses offered during past years may be presented under the following heads:

I. Courses in the general principles of comparative philology or linguistic science, and on special chapters thereof; lectures on ethnology and the history of religions.

II. Courses in the general comparative grammar of the Indo-European languages; comparative grammar of Sanskrit and Avestan; comparative study of Indo-European accentuation; comparative study of Greek, Latin, Sanskrit, and Teutonic, including vocalism, consonantism, noun-formation and inflections.

III. The Vedic, Sanskrit and Prākrit dialects; Rig-Veda; Atharva-Veda; literature of the Brāhmanas and Upanishads. The law books of Manu and Yājñavalkya; the Dramas Çakuntalā and Mṛchakaṭikā, and introduction into Prākrit; Prākrit prose tales; Pañcatantra, Hitopadeça, Kathāsaritsāgara, Pariçiṣṭaparvan, and Nala. Sanskrit grammar and prose composition.

IV. The Pāli language and Buddhist literature.

V. The Avestan language and the sacred books of the Avesta.

VI. The Lithuanian language and literature; Russian language and literature.

The following courses, in charge of Professor BLOOMFIELD, will be given during the session of 1922-23:

A. *Linguistic Science and Comparative Grammar of the Indo-European Languages.*

1. The elements of Linguistic Science, with an account of the Ethnology and Religions of the Indo-European peoples.
Weekly, through the year.

2. Comparative Grammar of the more familiar Indo-European languages (Greek, Latin, Teutonic, and Sanskrit): The history of the vowels and their interrelations (*ablaut*).
Weekly, through the year.

3. Introduction to the Lithuanian Language and Literature.
Weekly, through the year.

B. Indic Philology.

4. Vedic Seminary: The literature of the Atharva-Veda.
Weekly, through the year.

5. The elements of Vedic Philology: Vedic grammar, metres, and interpretation of selected hymns of the Rig-Veda.
Weekly, second half-year.

6. Beginners' course in Sanskrit: Grammar and interpretation of an easy text.
Twice weekly, through the year.

7. Advanced Sanskrit: Rapid reading of Kathāsaritsāgara.
Weekly, through the year.

8. Beginners' course in Pāli, the language of the Buddhist canon.
Weekly, through the year.

ZOOLOGY, BOTANY, AND PLANT PHYSIOLOGY

The location of the Zoological and Botanical Laboratories at Homewood, in close proximity to woods, ponds, and streams, furnishes excellent facilities for many kinds of biological work. These laboratories are located, for the present, in fairly well-lighted rooms on the lower floors of Gilman Hall, and the Laboratory of Plant Physiology is near by. Rooms and apparatus are available for research in animal and plant morphology and physiology. Unusual apparatus, such as may be necessary for special investigations, is provided as occasion demands. A number of outdoor basins, some with and some without covers, have been provided for the culture of aquatic organisms, while the open ponds of the Homewood grounds are convenient sources of supply. A collection of living plants, in the Conservatory and Botanical Garden and in the adjacent propagating grounds, is available for many lines of study. Carefully "fixed" and preserved alcoholic material of several hundred plant species is available for histological and developmental work. The herbaria of the Botanical Laboratory include the Schimper collection of European seed-plants, the Field Club collection and the Jones collection of local plants, the Fitzgerald collection of mosses, and smaller collections of fungi, of marine algae, and of New England and Jamaican plants.

It is planned that, before receiving the degree of Doctor of Philosophy in Zoology or Botany, each student shall have the opportunity to study marine and terrestrial life in some tropical region.

The library in the Biological Laboratory is supplemented by the main library of the University and other libraries in the City, including the excellent botanical library of John Donnell Smith, whose courtesy has always made his library and herbarium available for advanced students.

The Laboratory of Plant Physiology, located alongside the Botanical Garden and adjacent to the Conservatory, is well

equipped for researches on the more fundamental aspects of the subject. Several electrically heated and controlled ovens or incubators, a battery of small dark chambers furnishing seven different maintained temperatures between any two extremes, an electrically operated clock with devices for time signals and the automatic release of recorders in any room, electrically driven klinostats and rotating tables for equalizing environmental conditions or rendering them symmetrical, a germ-free culture chamber, a physiological and a photographic dark-room, three experiment rooms under glass, together with the usual apparatus employed in physiological experimentation, are available. The outfit is flexible and special arrangements will be made to suit special researches. A small working library is located in the building.

The Adam T. Bruce Fellowship is awarded to men capable of carrying on research in biology. Two of the graduate students may be appointed each year to occupy the University tables at the Marine Biological Laboratory at Woods Hole, Mass.

The laboratories are open from 9 a. m. to 5 p. m., and for necessary research in the evenings, but only by special arrangement.

ADVANCED COURSES

The Biological Journal Club.—The graduate students and the instructors in Zoology, Botany, and Plant Physiology form the Biological Journal Club, which meets weekly for the discussion of the recent literature in these fields.

Zoology

The advanced work in zoology is directed toward the development of investigators, and the student will receive such assistance and training toward that end as his individual needs seem to require. The set courses of the department are perhaps the less important part of that work. The courses in Zoology include: (1) Introductory and General

Courses; (2) The study of the structure, morphology, classification, and embryology of animals; (3) Study of the activities and functions of the developed organisms; (4) Study of the production of the structures and functions of organisms, in the history of the individual and in the history of the race. The first two lines of work are provided in the undergraduate courses, and in many cases graduate students will find it well to follow certain of these. The third and fourth lines are provided for in the Advanced Courses. Any of the lines of work may lead directly to research, and such research will be carried on under the immediate oversight of the member of the staff in whose special field the problem falls. The later year or years of the candidate for the doctorate should be devoted to investigation, with little interruption by set courses. The student presents before the members of the department at some time during his work a discussion of the subject with which his investigations deal, in the form of a number of lectures.

The advanced courses are elastic, subjects being dealt with that appear especially useful to the students taking part; different students may devote themselves primarily to diverse parts of the subject. In the latter part of each course, as a rule, some special subject or problem will be taken up by each student, leading directly to research.

Seminary. The instructors and graduate students meet once a week for the discussion of some of the fundamental problems of biology. Frequently some book of philosophical trend is read and discussed. In recent years the seminary has taken up Driesch's Science and Philosophy of the Organism; Lloyd Morgan's The Interpretation of Nature; v. Uexkuell's Umwelt und Innenwelt der Tiere; Bergson's Creative Evolution; McDougall's Body and Mind; and Radl's Geschichte der Biologischen Theorien. During 1919-1922 the relation of biology to human and social problems was studied.

General Genetics. Professor JENNINGS.

Three lectures weekly from the beginning of the session to February 1.

The course deals with the problems presented by the passage of generations: life cycles, age, death, and rejuvenescence; sex, its signification and determination; heredity and variation and their relation to different methods of reproduction; environmental action and selection in their relation to evolution.

General Physiology of Animals. Professor MAST.

Three lectures or conferences and two laboratory periods weekly through the year.

This course deals with the chemical and physical properties of protoplasm, with the relation between animals and their environment, and with some of the fundamental processes which occur in organisms (metabolism, growth, mechanics of movement).

Animal Behavior. Professor MAST.

Three lectures or conferences and two laboratory periods weekly through the year.

This course, which is really a continuation and a part of the preceding course, deals with responses to stimuli and behavior in animals, both from a purely mechanical and from a comparative physiological and psychological point of view.

These two courses will be given alternately, the course in Animal Behavior falling in the year 1921-1922. The work in both courses will be confined largely to the Invertebrates. Plants and the Vertebrates will be considered only in a general way, since they are fully dealt with in the courses offered in Botany, Plant Physiology, Psychology, and Human Physiology. The more advanced students are encouraged to take up problems for original investigation in connection with, or in place of, their regular laboratory work. Under certain conditions the lectures may be taken without laboratory work

Investigations. Professors JENNINGS, ANDREWS, and MAST, and Associate Professor COWLES.

Hours as required.

Botany

1. Seminary.

The Botanical Seminary meets weekly from November 1 to May 1. Professor JOHNSON.

2. Lectures and Laboratory Work.

I. Reproduction and Phylogeny in Plants. Professor JOHNSON.

a. *Three lectures weekly through the year.* (Hour to be selected in October.)

b. *Laboratory work associated with the lectures, twice weekly through the year.* (Hours to be arranged for in October.)

c. *Field work—Definite problems assigned for study in the field.* (Field trips on eight or ten Saturdays of autumn and spring.)

This course embraces a general survey of reproductive structures and processes in plants, from the bacteria to the seed plants. It aims to give a broad view of the trend of evolution in the vegetable kingdom and some understanding of the natural relationships of living plants, as indicated by their vegetative, and by their reproductive structures. Familiarity is gained with the literature of the subject by the constant use of original descriptions and illustrations, in lecture room and laboratory. The seasonable development of our native plants and the environmental conditions under which they grow are studied in the field, as a means of broadening the knowledge gained by a more intimate study of the fewer types worked out in the laboratory. In alternate years the thallophytes and the vascular plants are discussed in more detail.

II. The Physiological Anatomy of Plants. Professor JOHNSON.

a. *Two lectures or conferences weekly from January to June.*

b. *Laboratory work twice weekly from January to June.* (Hours to be selected in October.)

This is an advanced course for those who have a general knowledge of the organography and anatomy of plants. The work includes at the start a study of the cell,—the cytoplast, the chromatophore, the nucleus and its divisions, the cell wall and other cell products. Later laboratory studies are made by members of the class of the chief types of cell complexes or tissues of the plant, with the modification of these in relation to their function under special conditions in the environment. Haberlandt's Physiological Plant Anatomy and Jeffrey's Anatomy of Woody Plants are made the basis of the work, but, in addition, lectures and demonstrations are given by the instructor and members of the class and frequent use is made of original monographs on plant anatomy.

III. The History of Botany. Professor JOHNSON.

Wednesday and Thursday, 5 p. m., from November 1 to February 1.

The following themes will be discussed in alternate years: The Theory of Sex in Plants; The Cell Theory.

These courses present, in historical sequence, the development of our knowledge of the two aspects of botany mentioned, as an aid to a just appreciation of the problems and significance of modern research in those fields. It serves likewise as an introduction to the sources of the history of botany.

Plant Physiology

The work in Plant Physiology is planned to inculcate productive habits of thinking and of experimental analysis in regard to the various processes of plants and the conditions controlling them. It aims to fit students for purely scientific investigations, practical research, or the teaching of the subject. It is essentially advanced work, but no rigid system of prerequisites in academic courses has been established. Opportunity is furnished for three kinds of work, all of which are essential stages in the development of ability in research, of appreciation of physiological principles and of the application of the latter. (a) A year's course of lectures, conferences and prescribed laboratory experiments, the latter terminating in some practice with simple experimental problems and naturally leading directly to research, is planned to give a somewhat broad and general view of the entire subject of plant physiology as so far developed. (b) The more advanced physiological work embraces original research, with lectures, conferences, and practice in presentation, regarding various particular phases of the subject. The use of the literature rather than of lectures, as a source of knowledge, is encouraged, and instruction is mainly personal. (c) The application of physiological knowledge and methods to the problems of ecology, agriculture, and forestry receives cursory attention throughout all of the work, and is especially emphasized in a short course of lectures and conferences, along with which field and laboratory work may be undertaken.

As soon as the student is adequately prepared he is encouraged to take up original research, in either pure or applied physiology, thus fulfilling the dissertation requirement for the doctor's degree.

I. General Review of Plant Physiology. Professor LIVINGSTON and Dr. TRELEASE.

a. *Three lectures or conferences weekly through the year.*
b. *Six hours of laboratory work weekly through the year.*

Lectures and laboratory work on the chief plant processes. Palladin's Plant Physiology, English edition, is read, together with selected original articles. A good knowledge of physics and chemistry is highly desirable.

II. Problems in Plant Physiology. Professor LIVINGSTON and Dr. TRELEASE.

a. *Two lectures or conferences weekly through the year.*
b. *Six hours of laboratory work weekly through the year.*

This course is planned to give perspective and to prepare the student for profitable research in either pure or applied physiology. Each student carries on experimentation and works up the literature of restricted phases of plant activity, reporting on both literature and experiments. A considerable knowledge of the principles and methods of physics and chemistry is prerequisite.

III. Applied Plant Physiology. Professor LIVINGSTON.

a. *Thirty-six lectures or conferences at hours to be arranged.*
b. *Field or laboratory work to be arranged.*

This course is not offered every year, and is not offered in the same year as Course IV. It is planned for those wishing to enter deeply into the field of applied plant physiology, in physiological ecology, agriculture, forestry, etc., and deals with physiological principles and methods for the study of environmental complexes that may occur in nature or in plant culture, and that may condition the activities of plants and plant associations. The effective environmental features of habitats and of climatic, soil, and other geographical areas, together with prominent physiological characteristics of representative plants, are considered, as far as possible, in a quantitative manner. A knowledge of the principles of meteorology and of climatology and some familiarity with plant taxonomy and the methods of agriculture and forestry are desirable. Open to those who have had Course I or its equivalent. Field or laboratory work may be undertaken along suitable lines, as individually arranged.

IV. The planning, interpretation, and presentation of physiological research. Professor LIVINGSTON.

a. *Thirty-six lectures or conferences at hours to be arranged.*
b. *The actual preparation of a manuscript for publication.*

This course is not offered every year, and is not offered in the same year as Course III. It deals with the logical principles upon which research in plant physiology is planned and interpreted, and with principles and methods of presentation. A reading knowledge of at least two languages besides English is highly desirable. Preparation for the conferences requires at least six hours weekly. This consists in the actual tabulation, calculation, and interpretation of various kinds of experimental results, and in the writing of short original discussions and reviews. Details of the preparation of manuscripts and figures for the printer, of proof reading, etc., receive attention.

UNDERGRADUATE COURSES

Biology 1*

Six hours of laboratory work and three lectures or other exercises weekly through the year. Professor ANDREWS, Associate Professor COWLES, and Assistants.

A course open to all students without previous training in science. Advantageous for all students; for those who expect to enter business or to take up the ministry, law, or social service, and for those interested in philosophy, psychology, ethics, or political economy, as well as for those planning to study medicine or to teach. Designed to train faculties of observation, comparison, and judgment by direct experiences with selected animals and plants, supplemented by lectures that point out present interpretations and biological theories.

Part 1. General Biology. [*Till March* 15.]

Study and comparison, with the aid of the microscope, of typical organisms from the simpler, as Amoeba and Yeast, to the more complex, as the Sweet Pea and the Frog.

Part 2. Embryology. [*After March* 15.]

Direct observation of phenomena of the living frog egg, the formation and transformation of the tadpole; followed by study of the hen's egg, its origin and mode of developing into the chick.

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* This course fulfills the minimum requirement in Biology for entrance into the Medical School and the School of Hygiene and Public Health.

Biology 2

Six hours of laboratory work and three lectures or other exercises weekly through the year. Associate Professor COWLES.

Comparative Anatomy of Vertebrates and Embryology.

This course continues the training of Biology 1 in limited fields, and is recommended to those who expect to study medicine, or to specialize in and department of Biology.

During the first part of the course dissections of Amphioxus, Shark, Haddock, and Cat are made. The lectures emphasize the principles of Animal Morphology.

The second part of the course deals with a study of mammalian embryology.

One hour a week throughout the year is devoted to laboratory work on the human skeleton.

Biology 3

Six hours of laboratory work and three lectures or other exercises weekly through the year.

This course is intended both as a cultural course and for those who expect to specialize in some branch of Biology, in teaching or research, in medicine, in forestry, or in agriculture. It may be all Zoology, all Botany, or a combination of the two.

a. Zoölogy.

A comparative study of non-vertebrate animals: laboratory and field work.

b. Botany. (*Half-year Course.*)

The structure, development and function of root, stem, leaf, flower, and fruit. Professor JOHNSON.

c. Botany. (*Whole year Course.*)

An introduction to botany as a science and to its relations to agriculture, commerce, and the industries. Professor JOHNSON.

Properly prepared students may arrange to devote part of the year to work in plant physiology with Professor LIVINGSTON.

This course will include laboratory and field work, with lectures and reading, upon the structures and uses of the vegetative organs; upon reproductive structures and processes in the vegetable kingdom, with the evolution and classification of plants, including field

practice in the recognition of native plants; and upon the distribution of plants as determined by climate and topography. It may also consider the economic plants producing foods, drugs, lumber, clothing, paper, rubber, etc., including the historical origin of cultivated varieties and their improvement by scientific breeding and selection. It gives training in accurate observation and correct interpretation.

This course serves as a preparation for further special work in botany, plant physiology, forestry, zoology, or paleontology. It also adds interest to travel and helps to an understanding and appreciation of the world about us.

The removal to Homewood has made possible the adequate employment of the Botanical Garden, the greenhouses, and the native forest in the work of this course.

d. Bacteriology.

Six hours of laboratory work and three lectures weekly for first or second half year. Hours determined in October.

The student learns the methods of handling, cultivating, and studying non-pathogenic bacteria. The practical work gives valuable training in careful laboratory methods. The lectures treat of bacteria from a biological point of view, as very important agents in the processes of nature, especially in relation to other organisms, such as those occurring in the animal or plant body or in the soil, to problems of hygiene and sanitation and to the preparation and preservation of foods.

Biology 4

Six hours of laboratory work and three lectures or other work weekly through the year. Professor MAST.

General Physiology, including Animal Behavior.

This is an advanced course extending through two years. It is designed primarily as an introduction to research and should be elected only by those desiring intensive work. It deals with fundamental physiological processes in animals.

First year. The physical and chemical properties of protoplasm; metabolism and growth.

Second year. Reactions and behavior.

Prerequisites: Biology 1 and some knowledge of physics and chemistry.

The work in either year may be taken without that in the other.

ADVANCED DEGREES

DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is offered to students who, after obtaining the baccalaureate degree from a college of good standing, have followed courses of university study under proper guidance and without serious distractions for at least three years, and have satisfied the requirements mentioned below.

The Board of University Studies reserves the right to decide in each case whether the preliminary training has been satisfactory, and which, if any, years of graduate work not spent in this University are to be considered as spent in accordance with these regulations.

At least one academic year must be passed in this University, and, except in extraordinary cases, the one preceding the final examinations.

Principal and Subordinate Subjects

To become a candidate for the degree the student must select a subject on which he intends to concentrate his efforts and must place himself under the guidance of the professor of this subject. This is called his "principal" study. With the advice of the professor and subject to the approval of the Board of University Studies, the student must choose two other studies, known as "subordinate" subjects, which he must follow. These are called the "first subordinate" and the "second subordinate," and the two should represent one year's work, two-thirds of this being devoted to the former.

Acceptance of the Candidate

A student who wishes to be considered a candidate for the degree must make written application to the Board of

University Studies, upon a form provided for this purpose, at least one academic year[1] before he expects to present himself for his final examinations.[2] Before this application can be considered he must satisfy the University examiners that he is able to translate at sight French and German journals and monographs relating to his principal subject.

Requirements for the Degree

Certain requirements, as outlined above, must be met by a candidate in order to obtain the degree; but the distinctive requirement is the presentation of evidence that the candidate has carried to successful completion an original investigation in his principal subject upon a theme approved by his chief professor. The results of this investigation must be embodied in a dissertation, and submitted to the Board of University Studies.

Regulations Concerning the Dissertation

a. The dissertation must be prepared for presentation to the Board of University Studies in accordance with instructions to be obtained from the Registrar, and to every such dissertation must be appended a brief biographical sketch of the author. It must be submitted to the Board at least four weeks before the examinations in the principal subject.

b. The Board shall designate two or more referees, who shall make a written report on the dissertation.

Regulations Concerning the Examinations

a. The candidate shall be subjected to written examinations in his principal subject,[3] and, whenever practicable,

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[1] Applications made by students at the beginning of their final year must be in the hands of the Registrar by October 20.

[2] A student who has been accepted as a candidate for the degree of Doctor of Philosophy will be considered to have satisfied the requirements for acceptance as a candidate for the degree of Master of Arts.

[3] If a student who has absolved the examinations required for the degree of Master of Arts in this University becomes a candidate for the degree of Doctor of Philosophy, he may, at the discretion of the professors, be excused from any further written examinations in the particular courses in which he has already passed.

in both his subordinate subjects. The results of the examinations shall be reported in writing to the Board of University Studies; and, if these reports and the reports on the dissertation are satisfactory, the candidate shall be admitted to an oral examination in his principal and first subordinate subjects before the Board or a section of it.

b. The written examinations in the subordinate subjects may be taken at any time during the candidate's residence at the University, subject to the judgment of the examiners.

c. In the written examinations no session shall exceed five hours. In the oral examinations before the Board the time allotted shall be one hour, and three-quarters of this shall be devoted to the principal subject.

Other Regulations

Before the candidate is admitted to the oral examination he must signify his intention, in the event of his receiving the degree, to print his dissertation in full or in part, and to satisfy the requirements specified below.

If the dissertation is not printed in full, an abstract must be prepared or a portion selected, with the approval of the professor, which shall contain when printed not less than twenty-four octavo pages.

One hundred and fifty printed copies of the dissertation must be presented to the University within one year from the time when the degree is conferred. These must have the prescribed title page and must contain the biographical sketch.

The candidate is advised to have these printed copies ready for presentation before the date for the conferring of the degree; otherwise a deposit of $50.00 with the Treasurer of the University must be made. This deposit is returned when the printed copies are presented to the University. If these have not been received within the year specified, the Board of University Studies may declare the deposit forfeited and may apply the amount in printing the dissertation or a part of it.

Conferring of the Degree

The names of the candidates found worthy of the degree will be submitted to the Board of Trustees, and with their approbation the degree will be publicly conferred.

Choice of Subordinate Subjects

The following suggestions are not to be understood as limiting the attention of the student to the subjects directly connected with the requirements for the degree. In order to secure the full benefit of university training, it is often desirable to broaden the outlook through acquaintance with other subjects—especially those that are conterminous with the chosen field of study. It is also important to learn to appreciate the methods and to come under the influence of other personalities than those that dominate the student's special line of work.

In the choice of subordinate subjects to be associated with a principal one, considerable freedom is permitted by the Board of University Studies. Certain combinations have been recognized officially in previous years, and others are admissible.

In the study of any principal subject the knowledge of a limited number of other subjects is, as a rule, essential. If, on entrance, the student is not sufficiently proficient in these. he must follow courses in this University which will give him the requisite knowledge. These courses need not, however, of necessity be offered as first and second subordinates.

In order to guide the student in his selection of subordinate studies, a number of statements are given below in tabular form, which apply to the various departments of study in this University. These statements furnish—

I. In case the student selects a given subject as his principal one—

a. A list of the other subjects an adequate knowledge of which is considered essential.

b. A list of subjects which in the past have been accepted as first or second subordinates in connection with the principal subject.

II. In case the student selects a given subject as his subordinate one—

A list of the courses in that department, which are ordinarily considered sufficient.

Botany

I. *a.* Physics, Chemistry, General Biology, Zoology.

b. Zoology, Physical or Organic Chemistry, Geology, Physiology, Pathology, Plant Physiology.

II. An undergraduate course, with laboratory work; one of the graduate courses.

Cheimstry

I. *a.* Mathematics (through the Calculus), General Physics, Mineralogy, Physical Chemistry, Applied Electricity.

b. Mathematics, Physics, Mineralogy, Geology, Physical Chemistry, Biology 1, Applied Electricity, Bacteriology.

II. Chemistry A II or A III, Physical Chemistry, with corresponding laboratory courses.

Classical Archæology

I. *a.* Latin and Greek.

b. Latin, Greek, History, Sanskrit and Comparative Philology, Italian or another Romance language.

II. Five hours weekly for two years for the first subordinate; five hours weekly for one year for the second. Prescribed course of reading.

Those who make Classical Archæology a principal subject are urged to plan for at least one year of residence in Europe, preferably in the American School of Classical Studies at Athens or in the American School of Classical Studies in Rome. For advanced students of Roman Archæology, a reading knowledge of Italian is indispensable.

Education

I. *a.* The subjects of which an adequate knowledge is

considered essential depend chiefly upon the major field in education in which the candidate plans to concentrate his work.

Satisfactory undergraduate instruction in the History of Education, Educational Psychology, and either Elementary Education or Secondary Education, is prerequisite for admission to advanced work.

b. The choice of first and second subordinate subjects is made in accordance with the interests and purposes of the student.

II. Two graduate courses for two years, with prescribed reading, for the first subordinate; two graduate courses, for one year, with prescribed reading, for the second subordinate.

Suggested programs are stated in the paragraph on sequence of courses to be found in the departmental reprint.

English

I. *a.* Gothic, Old High German, Middle High German, Old Norse, Old French, German and French Literature.

b. German, French, Italian, Spanish, Greek, Latin, Sanskrit, History, Philosophy.

II. Courses in the history of the Language and the Literature, and some special work in selected periods or subjects.

French, Spanish, or Italian

I. *a.* Two Romance Languages in addition to French; Latin, German, English; if practicable, Greek.

b. Other Romance Languages; Sanskrit, Greek, Latin, German, English, History.

II. First subordinate: Courses in the history of the Language and the Literature. Second subordinate: Courses in the history of the Literature, or of the Language and the Literature.

Geology

I. *a.* Students who take Geology as their principal subject are allowed to select courses suitable as a training for

general geology and teaching, or those which lead to specialization in Paleontology, Stratigraphic Geology, Petrography, Mineralogy, or Geological Physics. All students are expected to be familiar with the matter given in the elementary or undergraduate courses.

b. (1) Biology, (2) Chemistry, (3) Physics, (4) Petrography, (5) Mineralogy, (6) Paleontology.

Nos. 1–3 may be taken as second subordinates by all students in Geology.

Nos. 4–5 may be taken as a first subordinate by students specializing in Paleontology or Stratigraphic Geology, who are advised to take Biology or Physics as a second subordinate.

No. 6 may be taken as a first subordinate by students specializing in Petrography or Mineralogy, who are advised to take Chemistry or Physics as a second subordinate.

II. For students in Physics: Geological Physics, Exploratory Surveying, Crystallography—Optical Mineralogy (Geology 1 in part, Advanced Mineralogy in part).

For students in Chemistry: Geology 3 and Economic Geology, Geology 1, Advanced Mineralogy.

For students in Biology: Geology 1 or 2, Paleontology and Paleobotany, Historical Geology.

German

I. *a.* One or more of the languages of the earlier Indo-European Group (Latin, Greek, Sanskrit), English (Philology and Literature), French Literature, Germanic Philology (in combination with German Literature as major subject), German Literature (in combination with Germanic Philology as major subject).

b. English, French, Latin, Greek, Sanskrit, Spanish, History of Philosophy, German Philosophy, German History.

II. German as first subordinate—Courses in German Literature and Germanic Philology, two years' membership in the Germanic Society.

German as second subordinate—Courses in German Literature and in the History of the German Language, or (for

students of Linguistics) courses in Germanic Philology, with some attention to special periods of German Literature; one year's membership in the Germanic Society.

Greek

I. *a.* Latin and English (language and literature).

b. Latin, Classical Archæology, Sanskrit and Comparative Grammar, English, German, a Romance language, a Semitic language, Philosophy, History.

II. Attendance on the Seminary and other courses five hours weekly for two years for the first subordinate, one year for the second subordinate. Prescribed courses of reading.

History

I. *a.* Political Economy, Political Science, Latin, French, German.

b. Political Economy, Political Science, Philosophy, English, French.

II. For the second subordinate, lectures, with collateral research, two hours a week for two years, either in European, English, or American history; for first subordinate, four hours a week for two years, with choice in the same subjects.

Latin

I. *a.* Greek and English (language and literature).

b. Greek, Sanskrit and Comparative Philology, Classical Archæology (Greek and Roman), English, a Romance language, a Semitic language, History.

II. Attendance on the Seminary and at least three lectures a week during two years for the first subordinate subject, one year for the second—in both cases with prescribed courses of reading in Roman literature.

Those who make Latin their principal subject must take Greek as one of their subordinate subjects. For the requirements in Greek as a subordinate subject see under Greek. They must also follow at least one regular course in Latin Epigraphy and Palæography, as well as in the Comparative Grammar of the Indo-European languages.

Mathematics

I. *a.* While no other subject can be said to be essential to the study of mathematics, it is very desirable that one taking up graduate work should have adequate knowledge of natural sciences, particularly of physics.

b. Physics, Geological Physics, Applied Electricity, Astronomy, History of Philosophy, Psychology, Applied Mathematics.

II. Two or more of the following: Elementary Differential Equations, Theory of Functions, Vector Analysis, Dynamics.

Oriental Seminary

I. *a.* For Hebrew as the principal subject—German, Greek, Latin, Arabic, History of the Ancient East, Biblical Antiquities, Geography of Western Asia.

b. Assyrian, Arabic, Syriac, or Ethiopic, as the first or second subordinate subject; Egyptology, History of the Ancient East, History of Philosophy, Greek, Sanskrit, Philippine languages, as the second subordinate.

II. For Hebrew as first subordinate—Comparative Hebrew Grammar, Hebrew Prose Composition, Old Testament Seminary.

For Hebrew as second subordinate—the second year's course in Hebrew and private reading of at least fifty chapters of the Hebrew Bible.

Philosophy

The choice of subordinate subjects depends upon the character of the direction the student elects to give to his work in Philosophy. Suggestions of suitable minors, to be correlated with different types of philosophical study, are given in the announcement of the department.

Physics

I. *a.* Chemistry and Mathematics.

b. Chemistry, Physical Chemistry, Mathematics, Astronomy, Applied Electricity, Geological Physics.

II. Physics 1, 2, or 3, with corresponding laboratory courses, Advanced General Physics, Applied Electricity.

Astronomy

II. Celestial Mechanics, Cosmical Physics, with observatory work.

Physiology (Animal and Human)

I. *a.* Physics, Chemistry, and Biology.

b. Zoology, Botany, Physics, Chemistry, Physiological Chemistry.

Plant Physiology

I. *a.* Physics, Chemistry, Botany, Zoology, Animal Physiology, Climatology.

b. Chemistry, Climatology, Physics, Botany, Geology.

II. For the first subordinate, courses I and III, I and IV, or course II; for the second subordinate, course I.

Political Economy

I. *a.* History and Political Science.

b. History, Political Science, Philosophy, English, Mathematics, Biology.

II. For the first subordinate, two graduate courses for two years, with prescribed reading; for the second, two graduate courses for one year, with prescribed reading.

Political Science

I. *a.* History, Political Economy, and the Principles of Private Law.

b. History, Political Economy, Philosophy, the Principles of Private Law.

II. Two hours' lecture work, with collateral reading, for

two years, for the second subordinate; four hours' work for two years for the first subordinate.

Psychology

I. *a.* Two at least of the following, according to the specific line of psychological work undertaken: Physics, Biology, Anatomy, Physiology, Pharmacology, Philosophy, Art, Philology, Psychiatry, Economics.

b. Psychiatry, Physics, Anatomy, Biology, Philosophy. Education, Neurology as taught in the department of Psychiatry.

II. The selection of work for subordinates is dependent upon the nature of the student's major work.

Sanskrit and Comparative Philology

I. *a.* Classical or Modern Philology, History, Philosophy.

b. Greek, Latin, Germanic Philology, English, Semitic Philology, Philosophy.

II. For the first subordinate subject, a course in Sanskrit, two lectures a week during two years, and attendance on the Vedic Seminary for a half-year, one hour a week; for the second subordinate subject, a course in Sanskrit, two hours a week during a year and a half.

In no case has a student whose principal subject was Sanskrit and Comparative Philology restricted himself to two subordinate subjects. As a rule, Avestan, Lithuanian, Gothic, English, and other subjects figured among his courses, in addition to the principal and the two subordinate subjects.

Zoology

I. *a.* Two or more of the following: Chemistry, Physics, Botany, Geology, Physiology, Psychology.

b. Botany, Plant Physiology, Animal Physiology, Geology, Anatomy, Pathology, Psychology, Physical Chemistry, Bacteriology, Medical Zoology.

II. Biology 1, Biology 2, Biology 3, a graduate course.

MASTER OF ARTS

The degree of Master of Arts is offered to students who have obtained the baccalaureate degree from a college of good standing, have then followed courses of university study under proper guidance for at least two years,[1] and have satisfied the requirements mentioned below.

The Board of University Studies reserves the right to decide in each case whether the preliminary training has been satisfactory, and, if part of the time devoted to graduate work has been passed by the candidate away from the University, whether this time may be considered as spent in accordance with these regulations.

The student must be in attendance at the University during the year immediately preceding the final examinations, unless, for some extraordinary reason, special permission to the contrary is granted by the Board of University Studies.

The program of the "Summer Courses" includes courses in certain subjects, which, provided they are approved by the Board of University Studies, will be accepted in partial fulfilment of the requirements for this degree, in accordance with the following provision: The residence requirement for this degree may be satisfied by attendance and study during not less than three sessions of the summer courses and one year of resident study during the regular session.

To be admitted as a candidate for this degree, the student must make application,[2] according to a prescribed form, to the Board of University Studies at least one academic year [3] before he expects to present himself for his final ex-

[1] Persons engaged in other pursuits, who are able to give only a portion of their time to study, may, by special permission obtained from the Board of University Studies, be allowed to distribute the work of these two years through several years.

[2] A student who has been accepted as a candidate for the degree of Doctor of Philosophy, will be considered to have satisfied the requirements for acceptance as a candidate for the degree of Master of Arts.

[3] Applications made by students at the beginning of their final year must be in the hands of the Registrar by October 20.

aminations. The required work may be limited to one subject only, or it may embrace a principal subject and one or two allied subjects. The professor in charge of the principal subject must be consulted in the selection of the allied subjects.

In order to obtain the degree the candidate must satisfy two requirements:

He must prepare a satisfactory essay, and must pass examinations in his principal subject. The essay must be upon a subject approved by the professor in charge of the principal subject, and must be completed and submitted to the Board of University Studies at least four weeks before the time of the final examinations. Two referees will then be appointed to examine the essay and to present a written report on it to the Board. This essay shall be prepared for presentation to the Board in the manner prescribed for the dissertation submitted for the degree of Doctor of Philosophy.

If the report on the essay is satisfactory, the candidate will then be admitted to the examination. However, on the subjects followed during any academic year the candidate is permitted to take examinations at the end of that year or at the beginning of the next, and, provided these examinations are satisfactory, he will not be examined again in the same courses. Reports of these examinations will be made to the Registrar.

The candidates found worthy of the degree will be reported to the Board of Trustees, and with their approbation the degree will be publicly conferred.

THE COLLEGE OF ARTS AND SCIENCES

The Johns Hopkins University makes ample provision for collegiate instruction. The courses offered to undergraduates are organized with no less care and thoroughness than those intended for advanced students; many of the most experienced members of the University staff coöperate in the conduct of them. No small part of the influence and usefulness of the University has been in connection with the collegiate department, the growth of which has been greatly stimulated by the removal to Homewood. In order to provide for the increasing enrollment, plans have been matured for the erection of dormitories in the near future.

Certain features of organization and administration have contributed to the effectiveness of the undergraduate work. The scrupulous observance of the distinction between the disciplinary methods appropriate to college teaching and the freer methods of advanced instruction; the arrangement of studies in certain combinations, which permit, under due regulation, a wide liberty of choice; the facilities afforded young men of superior capacity for carrying their studies beyond the requirements of graduation; the influence upon younger students of the presence of a large body of graduate scholars conducting investigations in all the great departments of learning,—these conditions have proved favorable to the development of earnestness and scholarly devotion.

Committees

All matters referring to the courses of undergraduate instruction are under the control of the Board of Collegiate Studies, consisting of the President of the University and of representatives from each of the chief departments of undergraduate study. This Board appoints the following standing committees:

1. The Committee on Academic Rules and Regulations, in charge of all questions of general administration.
2. The Committee on Admission and Advanced Standing.
3. The Committee on Scholarships and Honors.
4. The Committee on Student Affairs.
5. The Committee on the Curriculum.
6. The Committee on Summer Courses and College Courses for Teachers.

The Dean of the College Faculty is *ex officio* a member of each of these committees.

Advisers

Each student upon entrance will be assigned to an "Adviser," under whose direction he will select his studies for the first year.

Immediately after Easter, having selected some definite subject as his "major,"[1] he must report that major to the Registrar. He will then be assigned to an "Adviser" giving instruction in his major subject.

Each Adviser endeavors to establish relations of friendliness and confidence with the students assigned to his care. He not only gives counsel in regard to the selection of studies, but promotes the welfare of his students in every practicable way.

[1] For the definition of a "major" see page 385.

During the month of May in each year all students must consult their Advisers with regard to the courses to be taken in the following academic year, and the Advisers will report to the Registrar at the beginning of the next session, after conference with the students immediately following enrollment. Students who fail to attend courses selected, or who drop courses without the written consent of their advisers, approved by the Dean, will be marked absent and will be subject to the regulations of the Committee on Absences.

Each student must call at the Registrar's office not later than October 15 and enter his schedule of hours upon his enrollment card. Failure to do this will entail a fine of five dollars.

Requisites for the Degree of Bachelor of Arts

As evidence that the collegiate course has been successfully completed, the degree of Bachelor of Arts is conferred at its close. The degree signifies in the case of every recipient such instruction in language, in mathematics, in the physical and natural sciences, in literature, philosophy, and history, as is believed to be essential to a liberal education.

The courses of study [1] are selected (as already stated) under the guidance of Advisers; and, expressed in mathematical language, 125 points [2] are required for graduation. At the end of his first year of residence, each student selects some subject, called his major, which he wishes to study with special attention during his remaining years of residence; and during these years he must follow at least three courses in this subject and at least two in some cognate subject approved by his Adviser.

All candidates for a degree must take courses in the following subjects:

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[1] Certain illustrative combinations are printed in the special catalogue of the College of Arts and Sciences.

[2] For the definition of a "point" see page 388.

English Composition.
English Literature.
One of these: Latin, Greek, Mathematics, Physics, Chemistry, Biology.
One laboratory course, unless chosen as above.
One of these: History, Political Economy, Philosophy.
Two courses in Modern Language (only one of which may be elementary).
Military Science or Physical Training.

The remaining courses necessary to complete the number of required points are chosen by the student, subject to the regulations of the Board of Collegiate Studies and to the approval of the Adviser.

No student may take a course not listed in this catalogue, without the written consent of the Dean.

In their first year of residence students should take the following courses:

a. English Composition.
b. French, German, or Spanish.
c, d. Two of these: Latin, Greek, Mathematics, History 1, History 2, Biology, Introductory Course for Freshmen.
e. Military Science or Physical Training.

A student may be admitted to advanced standing, in accordance with the regulations given on page 392, but in all cases the candidate must pursue the last year of his undergraduate course in this institution. In general, four years of residence are necessary for the completion of the courses required for a degree. A capable student, may, however, complete this work in three years (see College catalogue).

Admission to the Department of Medicine

Students who intend to enter the medical department of this University should arrange their work so as to include the following courses: Mathematics and Physics, each for one year; French and German for at least one year beyond the elementary courses; English and Biology, each for two years; Chemistry for three years; and one of the following—History, Political Economy, Philosophy. These students are advised by the Medical Faculty to include courses in Biology and the Chemistry of the Compounds of Carbon in their last year. Their attention is called especially to the desirability of completing their undergraduate work in three years, and accordingly to the conditions under which this can be done. (See College catalogue.)

Latin is no longer required for admission to the College of Arts and Sciences, but is a prerequisite for admission to the Medical Department. Students wishing to study medicine should therefore secure at least two years of Latin before entering the University.

By a special arrangement with the Medical Faculty, students who have completed in this University three years of work preliminary to medicine and have maintained a high standing, and who have to their credit 110 points toward graduation, may be admitted to the Medical School, and will receive the degree of Bachelor of Arts when they have satisfactorily completed one year of work therein.

Special Course Preparatory to the School of Hygiene

The School of Hygiene admits students as candidates for the degree of Bachelor of Science in Hygiene who present a certificate of the completion of at least two years of work in an approved college, and who have had adequate courses in

biology, physics, and chemistry, including organic chemistry. To satisfy these conditions, the College of Arts and Sciences offers the following course:

First Year	*Second Year*
English Composition 1	Chemistry 3
Mathematics 1	Physics 1
Biology 1	Two of these:
Chemistry 1	{ English Literature French, German, *or* Spanish Mathematics 2
Military Science *or* Physical Training	Drawing
Surveying	Military Science *or* Physical Training

Upon completion of this preparatory course students will be matriculated in the School of Hygiene and will pursue the studies prescribed therein for the last two years of the course.

General Regulations

Courses. The standard course of study in the undergraduate classes of the University consists of three meetings, of one hour each, weekly through the year.

Certain courses in mathematics are accompanied by conferences, the time allotted to which is two hours per week. Courses in the sciences are accompanied by laboratory instruction, to which, in general, six hours per week are allotted.

In stating the requirements for the degree of Bachelor of Arts, use was made of the expression "points." The basis of calculation is as follows:

a. Each three-hour course counts six points; each four-hour course, eight; etc.

b. Each hour of conference in mathematics counts one.

c. Each hour and a half of laboratory instruction counts one.

d. Public Speaking counts one.

e. Lectures and recitations in the course in military science count as described on page 329.

f. Additional credit of one point is given to a student who takes three courses in (a) any one of the foreign languages; (b) English Literature; (c) History; (d) Political Economy.

Examinations. Examinations of all classes are held about the first of February and at the close of the academic year. These examinations are based upon the work of the preceding term, and the time allotted is as follows: in a three- or four-hour course three hours; in a one- or two-hour course two hours. Laboratory examinations may be conducted during the last laboratory period of each term.

Additional tests may be given only if unannounced and held in place of the usual recitation.

Reports. Each instructor files with the Registrar at the close of each examination period official reports of the standing of his students. These reports are based upon both the regular exercises and the examinations, and are made in terms of the prescribed system of marks. The average of the two marks is the record of the student for the year.

Informal reports of standing are made to the Registrar about December 10 and March 25.

Marks. The scale of marks for official reports is 10, 9.5, 9, etc. The highest mark is 10, which signifies "excellence," and a mark less than 6 denotes "failure."

In case of absence from examination for any cause the mark "a" is recorded, and the student must report to the Dean immediately upon his return; if his excuse is accepted, he will receive a permit for an examination, which shall be presented to the instructor. A fee of five dollars must be paid by the student for the deferred examination. In case of absence from several examinations, due to the same cause, this fee will cover all the deferred examinations.

A student who receives a mark of 5 or less in a course during any term will be dropped from that course, and he must repeat the work of that term in order to receive credit. One who receives a mark of 5.5 may be permitted to remain in the course, but must absolve the condition in any way the instructor may elect. Unless he is required to repeat the course, the condition must be removed before October 1 in the succeeding session. Removal of a condition does not alter a student's original mark. For a re-examination the fee of five dollars must be paid after permission has been secured from the Registrar's office.

Exclusion from the University. A candidate for the bachelor's degree who has not passed all the entrance examinations by the close of the September examination period at the beginning of his third year of residence, ceases to be a member of the University.

A student who, at any time, has in his record three failures, ceases to be a member of the University. A failure recorded on a previous official report which has not been absolved by a second examination or by additional work, counts as one of these three. In case the student desires to return to the University, he must make written application to the Board of Collegiate Studies, stating fully the ground on which he asks for reinstatement.

A student who ceases to be a member of the University because of failure in his work during his first year of residence, may be permitted to repeat the work the following year, provided he passes the entrance examinations for that year.

Change of Courses. A student who is permitted to change his schedule, must at once report such change to the Registrar on a card provided by him, which must be signed by the Adviser, the Dean, and the Instructor. Dropping a course without approval and without notice to the Registrar, or dropping a course by permission on or after December 1 with an informal mark below 6, will be counted as a failure.

Requirements for Admission

Young men who wish to pursue undergraduate courses should apply to the Registrar of the University for a blank form of "Application for Admission," which must be filled up and *returned to the Registrar at least one week before the time set for the entrance examinations.*[1] These examinations are held at the University in September of each year. [September 18-21, 1922.]

Applicants are received without examination upon certificate from the principals of certain approved schools, provided the certificate fully and satisfactorily covers the requirements for admission. The certificate must be incorporated in the form of application for admission furnished by the Registrar. As soon as it is received, it will be acted upon by the Committee on Admission and Advanced Standing, and the applicant will be notified at once of the Committee's action. If a student's grade in any subject is less than one-fifth higher than that required by his school for graduation, he will be required to take the entrance examination in that subject.

The admission of students from other schools, and of students who have not met in full the requirements for matriculation, rests with the Committee on Admission, which considers each case on its merits. In exceptional cases only are students admitted with conditions.

To accommodate those who wish to take their examinations at other times and places, the University will accept certificates from the College Entrance Examination Board for subjects passed in accordance with its regulations.

The requirements for admission to the Department of Engineering and to the special course preparatory to the School of Hygiene are similar to the foregoing; for details, consult the catalogues of those departments.

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[1] It is of advantage to a student to make application on or about the first of June, as in this case the Committee on Admission has an opportunity to recommend any additional preparation that may appear necessary.

Division of the Matriculation Examination

The applicant may pass a part of the examination one year before his admission to the University and receive credit, under the following conditions:

In his application *he must distinctly declare his intention to divide the examination.* The subjects passed will count toward matriculation if the applicant offers the remaining subjects within the ensuing year.

Advanced Standing

Students who desire to enter the University from other institutions of collegiate grade must submit statements showing the subjects offered for matriculation at those institutions, as well as a list of the courses, with grades, pursued after entrance. The University provides a special blank for listing the required information. It is desirable that a catalogue be sent, with the courses marked. In order to receive the degree of Bachelor of Arts from the Johns Hopkins University, a student must have satisfied the conditions of matriculation and have completed the courses required of all undergraduates (see page 386).

Enrollment and Payment of Fees

Entering students must present their admission cards to the Treasurer (Gilman Hall, Room 121) on September 28, 1922, at 9 a. m., and pay the enrollment fee ($5.00), the "caution money" deposit ($10.00), the special undergraduate fees ($20.00), and the tuition fee[1] for the first term ($125.00). [After September 28 the enrollment fee is $7.00.] They will immediately report to the Registrar for enrollment and assignment to Advisers.

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[1] Students admitted in September 1921 and in September 1922 will pay $250.00 per annum; others $200.00.

Members of the upper classes must follow the same procedure September 29, or September 30 before 12 m. A fine of $5.00 will be levied against those failing to enroll before noon, September 30.

No student will be enrolled until he presents a receipt from the Treasurer.

Table of Admission Requirements

Those who wish to become candidates for the degree of Bachelor of Arts must present evidence of a satisfactory knowledge of the following subjects:

1. Mathematics:	
a. Algebra *a* and *b* (1½ units)	(C. E. E. B., Math A. or Math. A 1 and A 2).
b. Plane Geometry (1 unit).	(C. E. E. B., Math. C).
2. English (3 units).	(C. E. E. B., English 1 and 2).
3. Foreign Language (4 units required; not less than 2 units accepted in any one language):	
a. Latin: Grammar, Composition, and *Caesar*, books I-IV (2 units).	(C. E. E. B.. Latin 3).
Cicero, 6 orations (1 unit).	(C. E. E. B., Latin 4).
Vergil, books I-VI (1 unit).	(C. E. E. B., Latin 5).
b. Greek, c. French, d. German, e. Spanish — Elementary (2 units). Intermediate (1 additional unit).	(C. E. E. B., Greek A 1, A 2, B, French A, German A, Spanish). (C. E. E. B., Greek A 1, A 2, B, C, F, G, French B, German B).
4. History (1 unit).	(C. E. E. B., History A, B, C, D, or E).
5. Electives, to make 15 units in all, from the following subjects only:	
a. Solid Geometry (1½ unit).	(C. E. E. B., Math. D).
b. Plane Trigonometry (½ unit).	(C. E. E. B., Math. F).
c. Languages (1 to 5 units additional).	
d. History (2 units additional).	

e. Physical Geography (1 unit).
f. Biology (1 unit).
g. Botany (1 unit).
h. Zoology (1 unit).
i. Physics (1 unit).
j. Chemistry (1 unit).

(C. E. E. B. Equivalents).

A student must have satisfied the foregoing requirements before he may be fully matriculated.

For further information regarding the College of Arts and Sciences see special catalogue.

COLLEGE COURSES FOR TEACHERS

The University also offers collegiate instruction in the division designated The College Courses for Teachers. It is the primary aim of these courses, which were instituted in 1909, to provide teachers in public and private schools with opportunities for further personal culture and for increasing their professional equipment and efficiency. Satisfactory work accomplished in these courses is credited, under suitable regulations, towards the baccalaureate degrees, but especially towards the degree of Bachelor of Science.

The courses are open to men and women on equal terms. Persons other than teachers are regularly admitted to the courses which they are prepared to pursue, either with or without reference to the requirements of a baccalaureate degree.

The courses are conducted in coöperation with Goucher College. Men desiring to become candidates for the degree of Bachelor of Arts may acquire credits to the amount of ninety points in these courses, and complete the requirements by spending one year in residence in the academic department. A similar provision, in the case of women desiring to proceed to this degree, is made by Goucher College.

Since the opening of this division, courses have been given in the following departments: biology, chemistry, classical archæology and art, drawing, education, Chinese, English, French, German, history, hygiene, Italian, journalism, Latin, mathematics, Oriental history and literature, philosophy, political economy, political science, psychology, Russian, and Spanish. Sixty-seven courses are being conducted during the present session, with an enrollment of 113 candidates for the degree of Bachelor of Science and 841 other students. The June issue of the *Johns Hopkins University Circular* announces the courses that will be offered in the several departments next session.

The tuition fee is $12 per year for each hour per week. Students registered in all other divisions of the University and paying full tuition or on scholarship appointment are permitted to register in any of these courses without payment of additional fees other than laboratory charges.

The session of 1922-23 begins Monday, October 9, 1922. Further information may be had by addressing the Director of the College Courses for Teachers.

THE DEGREE OF BACHELOR OF SCIENCE

The degree of Bachelor of Science, established in 1915, is offered to both men and women completing the required program of studies in the College Courses for Teachers in accordance with the regulations. Courses in Business Economics and Summer Courses may also be pursued with reference to these requirements.

In making provision for the instruction leading to the degree, the University aims primarily to afford an opportunity to students, unable to devote their whole time to study, to secure the benefits of collegiate education for either vocational or cultural purposes.

Those who wish to become candidates for the degree of Bachelor of Science must present evidence of having successfully completed courses of study equivalent to the graduating requirements of a standard four-year high school. This evidence may be offered by either of the following means:

1. Presenting certificates:
   (a) Of graduation from a secondary school having a course of study of four years, and approved by the Committee on Matriculation.
   (b) Of the College Entrance Examination Board, or other approved examining boards.
2. Passing an examination.

Fifteen units of secondary instruction are required for matriculation, of which nine are prescribed and six are elective. The subjects in which the prescribed units must be offered are:

> English (*three,* requiring four years), History (*one*), Mathematics (Algebra and Geometry) (*two*), a Modern Foreign Language (*two*), Science (*one*).

The remaining six units may be offered by election from the following group, the number of additional units accepted in the several prescribed subjects being indicated in parentheses:

> Domestic Science (*one*) or Manual Training (*one*), Drawing (*one*), History (*one,* or *two*), Latin (*two,* or *three,* or *four*), *Mathematics* (*one,* or *one and a half*), Modern Foreign Language (*two,* or *three,* or *four*), Music (*one,* or *two,* certified by the Peabody Conservatory of Music), Science (*one,* or *two*), Bookkeeping (*one*), Commercial Arithmetic (*one*), Commercial Geography (*one*), Commercial Law (*one*).

Advanced standing may be granted to applicants who offer approved collegiate or professional courses in a college, scientific school, normal school, training school, or technical school in advance of high school graduation.

The course of study enabling the candidate to meet the graduation requirement of one hundred and twenty points is made flexible so as to permit a choice of courses in various subjects, within limits, in accordance with the future interests of the student.

The requirements for graduation are:

1. A series of subjects required of all matriculated students, namely: English, two courses; Foreign Languages, three courses in at least two languages; History, one course; Science, one course.

2. A major consisting of three courses in one subject and of two courses in one or two cognate subjects. The above required courses are not counted as part of the work in the major.

3. Electives sufficient to complete the requirement of one hundred and twenty points.

All candidates for the degree must complete a minimum of twenty-four points in the College Courses for Teachers. The

maximum credit allowed a student in one summer session is eight points.

Academic arrangements have been made with the Maryland Institute and the Peabody Conservatory of Music, of Baltimore, whereby majors in Fine Arts and in Music may be offered by completing prescribed courses of instruction in these institutions, respectively. (See circular of the College Courses for Teachers for detailed statement.)

The fee for matriculation is $5. The charge for tuition in the College Courses for Teachers is $12 per year for each hour per week; in the Summer Courses, $35 per session. Laboratory fees for material consumed are stated in the announcements of the several courses. The fee for graduation is $5, payable before the delivery of the diploma.

SUMMER COURSES

The University has conducted annually since 1911 a six-weeks' session of instruction in the summer. The twelfth session will open on Wednesday, July 5, 1922, and close Saturday, August 12. The registration days for the session are June 26 to July 3. Examinations will be held on August 12.

The summer courses are open to men and women on equal terms. The program usually includes instruction in biology, chemistry, classical literature, economics, education, English composition and literature, French, German, history, home economics, journalism, manual training, music, mathematics, philosophy, politics, psychology, and Spanish.

A school of observation and demonstration will be conducted in the department of education. The graded elementary school will include kindergarten, the elementary grades, and also Junior High School classes.

Each course will consist of thirty class exercises, or their equivalent. Credit is given for the satisfactory completion of such courses as are accepted by the several Boards and Committees of instruction for the degrees of Master of Arts, Bachelor of Arts, Bachelor of Engineering, and Bachelor of Science. One of the two years of resident study required for the degree of Master of Arts may be absolved by attendance and study during three summer sessions. The maximum credit allowed in one summer towards a baccalaureate degree is eight points.

For expenses, see Tuition Fees and Expenses.

During the summer of 1921 the enrollment included 949 university students and 237 pupils in the demonstration school.

II. FACULTY OF MEDICINE

Requirements for Admission

As candidates for the degree of Doctor of Medicine the school receives:

I. Those who have satisfactorily completed the Chemical-Biological course, which leads to the A. B. degree in this University.

II. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have an acquaintance with Latin and a reading knowledge of French and German: (*b*) That they have such knowledge of biology, chemistry and physics, as may be obtained from the minimal courses described below.*

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* Biology.—Three hours of class work per week for one year, and 180 hours of laboratory work upon the structure, functions and life-histories of selected types of animal and plant life. It is desirable that the course should include laboratory instruction in embryology. Courses in botany or zoology will be accepted provided the laboratory work has been adequate.

Chemistry.—Two years of college work, of which one and one-third years should be devoted to inorganic and two thirds of a year to organic chemistry. Each year's course should comprise three class room exercises a week and five to six hours of laboratory work. This represents only a minimal training, and other things being equal preference will be given to students who have had three years work including a short course of lectures and demonstrations in elementary physical chemistry.

Physics.—A collegiate course consisting of three hours of class work per week for one year, and at least 120 hours of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

Latin.—The candidate must have studied Latin grammar and possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

III. Students who have completed in this University 110 of the 125 points required for the Bachelor's degree, including the required work in biology, chemistry, and physics, and in French and German, may be admitted to the Medical School, and will receive the degree of Bachelor of Arts when they have satisfactorily completed one year of work therein. This privilege, however, will be accorded only when the college standing averages 85 or more.

Application for Admission

Application for admission must be made to the Dean prior to July first. Printed forms will be furnished, one page of which is to be filled out by the applicant and the other by an officer of the institution at which the collegiate degree was obtained. The former gives information concerning the general preliminary education, and the latter authoritative data concerning the instruction received in the pre-medical sciences and the modern languages.

Applicants living within two hundred miles of Baltimore must present their applications in person to the Dean sometime between Easter and June 15, and should arrange a special appointment for that purpose. Applicants who live at a greater distance will not be required to appear in person, but must send a cabinet-size photograph with their applications.

As the size of each class is limited, it is attempted, in case a greater number apply, to choose seventy-five of the most promising applicants. The choice is made by taking into consideration the character of the college from which the applicant graduated, his standing in the pre-medical sciences and the languages, and an estimate made by one of his science teachers, in a personal letter to the Dean, as to his or her fitness to undertake the study of medicine.

Applications may be filed at any time, but, except in unusual circumstances, they will not be considered formally

before July first. Notification of acceptance will be sent not later than July fifteenth.

No applicants will be accepted who are deficient in the underlying sciences, but in exceptional instances those having only a deficiency in French or in German may be admitted, with the understanding that the condition must be absolved before the beginning of the second year.

Admission to Advanced Standing

Each year there will be a number of vacancies in the second and third-year classes. These will be filled by students from acceptable medical schools, who present exceptional qualifications. Such applicants must furnish evidence (1) that they are eligible to the first-year class without conditions of any kind; (2) that medical courses, equivalent in kind and amount to those given in this school in the year or years preceding that to which admission is desired, have been satisfactorily completed; and (3) they must be prepared to pass examinations at the beginning of the session in all subjects already pursued by the class to which admission is sought. The applicant must have studied as a matriculated medical student for a period of time at least equal to that already spent by the class which he seeks to enter.

As graduation from an approved college or scientific school is essential for admission to this school, applicants from universities conferring a collegiate degree upon the completion of a combined course, consisting of two years of collegiate and two years of medical work, are not eligible for admission to our third-year class.

Admission to the fourth-year class is jealously guarded, and will be considered only in the case of exceptional applicants who have given evidence of unusual ability in their original school.

Persons who have already received the degree of Doctor of Medicine elsewhere, will not be admitted as candidates

for that degree from this University. Should further instruction be desired, they may enter as graduate students.

Instruction for Graduates in Medicine

During the school year, a limited number of graduate students may be admitted to work in the several departments.

In every instance the arrangement for such facilities must be made directly with the head of the department concerned, but work cannot be commenced until after registration at the Dean's office.

Special Workers.—Special workers, not candidates for a degree, may be received at the discretion of the Faculty.

Requirements for Graduation

The degree of Doctor of Medicine is conferred upon those who, after fulfilling all the requirements for admission, have completed satisfactorily a four years' course of study.

Students who have been admitted to advanced standing, as well as those of our own students who have been granted permission to pursue a part of their studies elsewhere, must spend at least the final year in this School.

The degrees are publicly conferred at the University Commencement on the second Tuesday of June, or on Commemoration Day, February the twenty-second.

Examinations

The estimation of the standing of students is not based solely upon the result of written examinations, but will also depend upon personal evaluation of the ability of the individual student by the instructors with whom he comes in contact.

The seventy-five students entering the first-year class are admitted with the understanding that only the sixty-five having the highest standing at the end of the year will be

advanced to the second year, and that only sixty of the original seventy-five students will be advanced to the third year. This means that, even though they may not have failed in any subject, a certain number of students will be obliged to withdraw at the end of the first and second years respectively, and an attempt will be made to fill the vacancies thus created by admitting to advanced standing desirable students from other schools.

The major subjects for the four years of the course are:

1. Anatomy (including histology)
2. Physiology
3. Physiological Chemistry
4. Pharmacology
5. Pathology (including bacteriology)
6. Medicine (including clinical microscopy and therapeutics)
7. Surgery
8. Obstetrics (including gynecology)
9. Psychiatry
10. Pediatrics
11. Major electives

In other subjects written examinations will not be held unless the course carries with it a credit of at least one unit. In less extensive courses the instructor will merely certify that the student has been in attendance.

Students who fail in one major subject will not be reexamined until one year after the completion of the course; while those who fail in two major subjects at any time during the four years of the course must withdraw from the school. In this connection it is understood that a failure, which has been absolved, will still be counted as such should the student fail in any other major subject.

At the end of the sixth trimester the records of all students in the second-year class are reviewed by the Committee on Instruction and Examinations for the first two years. This will cover the work in the following subjects:

Anatomy (including histology)
Physiology
Physiological Chemistry
Pharmacology
Pathology (including bacteriology)

At the end of the third year examinations will be held in medicine (including clinical microscopy and therapeutics), surgery, obstetrics (including gynecology), neurology and psychiatry.

At the end of the fourth year final examinations will be held in medicine, surgery and pediatrics, while in the elective courses examinations will be held upon the completion of each course. The results will be reviewed by the Committee on Instruction and Examinations for the Third and Fourth Years, when the successful candidates will be recommended to the Advisory Board of the Medical Faculty for graduation.

Students who have been absent on account of sickness for four weeks or longer in any trimester are advised not to come up for examination without conferring with the instructors concerned or with the Dean. Those who have been absent for half a trimester or more will be required to repeat the trimester's work.

General Plan of Instruction

Each year is divided into trimesters of eleven weeks each. For the year 1922-23 the first will extend from October 1 to December 16, the second from December 17 to March 10, and the third from March 11 to May 31.

The first two years of the course are devoted mainly to the fundamental medical sciences, the larger part of the time being spent in practical work in the laboratories; while in the last trimester of the second year certain introductory courses in practical medicine are begun. In the last two years the various clinical branches are studied in the wards of the Hospital, in the dispensary, and in the clinical laboratories.

The principal studies of the first year are anatomy, histology, physiology, and physiological chemistry. The study of anatomy and of physiology is continued in the second year, together with general pathology, histology, bacteriology, and pathological anatomy, pharmacology and toxicology. During the last trimester of the second year instruction is begun in physical diagnosis as an introduction to the clinical work of the succeeding years.

The major portion of the work of the first two years is obligatory for all students, but the time is so arranged that certain elective courses may be selected thereby making it possible either to give more time to the obligatory courses, or to do special work along related lines.

As the third and fourth years are devoted to practical medicine, they can not be taken up until the student has obtained credit for the prescribed minimum of work in the underlying sciences.

The work of the third year is largely obligatory. The student attends the clinics and dispensary exercises in medicine and surgery, and completes the required work in obstetrics, gynecology, and in nervous diseases.

From 9 a. m. to noon each group receives instruction in obstetrics and gynecology, while the balance of the time is devoted to practical work in the medical, surgical and nervous departments of the dispensary. From 12 noon to 1 p. m. the entire class attends the amphitheatre clinics in medicine or surgery. The afternoons are devoted mainly to laboratory work in clinical microscopy and surgical pathology. Instruction is also given in practical therapeutics and pharmacy, thus completing the pharmacological work of the previous year. Short propadeutical courses are also given to familiarize the student with the use of the ophthalmoscope and laryngoscope. On certain afternoons a number of short elective courses of a practical character are given, and each student is required to select from them a sufficient amount of work to give him a credit of one and a half units.

The work of the fourth year is partly elective. For this purpose the class is divided into three groups, each working in rotation for one trimester in medicine, surgery, and in certain elective subjects.

Each student must complete 18 units of work during the year—the unit being a course or group of courses occupying six hours a week for one trimester. Eleven units are obligatory, and include six units in medicine (including pediatrics) three units in surgery, one unit in ophthalmology. The remaining unit in the surgical trimester must be devoted to one of a number of short courses in various specialties, or special courses in medicine and surgery.

The obligatory work in medicine, which includes a part of the required work in pediatrics, requires, at least, six hours of work a day for one trimester. The members of this group act as clinical clerks in the medical wards of the hospital, a certain number of beds being assigned to each student. They take the histories of the patients and make the necessary examinations and notes under the direction of the resident staff. They accompany the physician-in-chief or some member of the senior staff in the daily ward-rounds, and receive special bedside and laboratory instruction.

In the surgical trimester, the student gives three hours a day to attendance upon ward-rounds, operations, and to work in the surgical laboratories. The members of this group act as surgical dressers in the wards. They make the morning visits with the surgeon-in-chief or a member of the senior staff, and have daily opportunities to become familiar with the diagnosis, management and progress of surgical cases. They are also given an opportunity to take an elective course in operative surgery upon animals.

The elective work is arranged in major, minor and fractional courses. The former occupy 3 or 2½ hours a day throughout one trimester, according as the classes are in the morning or afternoon, and count as 3 or 2½ units respectively. In the minor courses, which count as one unit,

one hour a day, or two hours every alternate day, throughout one trimester, are devoted to the subject, while several fractional courses may be combined to make one unit. Students choosing such courses must register at the Dean's office and will be expected to complete them satisfactorily and to submit to an examination at their close. In fractional courses, which count as less than one-half of a unit, examinations will not be held, and regular attendance, properly certified by the instructor, will entitle the student to the allotted credit. After having once been chosen, elective courses must be followed to the end of the trimester.

To summarize, the time of each fourth-year student is apportioned as follows: trimester A, practical work in medicine during the entire day; trimester B, practical work in surgery during the morning, and in the afternoons a short course in ophthalmology, and in one of the special branches of medicine; trimester C, six units of elective work. In other words, each student after completing certain minimal requirements, chiefly in medicine and surgery, may extend his knowledge by taking a number of short clinical courses in various branches, or he may concentrate his attention upon the work of a few departments.

Scholarships

Six Hopkins Scholarships are open annually to students from Maryland, North Carolina, and Virginia. These scholarships give free tuition for one year and are granted to deserving students who have shown marked aptitude in their work. Three are given to fourth-year students, two to third-year students and one to a second-year student. Applications should be addressed to the Dean of the Medical School not later than May first, in accordance with a prescribed form.

III. FACULTY OF HYGIENE AND PUBLIC HEALTH

In June, 1916, the Rockefeller Foundation of New York notified the President of the Johns Hopkins University that the Foundation was prepared "to co-operate with the University in the establishment of a School of Hygiene and Public Health for the advancement of knowledge and the training of investigators, teachers, officials and other workers in these fields."

This offer was accepted by the University, and on June 12, 1916, the President of the University made the formal announcement that the Board of Trustees had authorized the establishment of a School of Hygiene and Public Health as part of the University. Dr. William H. Welch was appointed Director and Dr. William H. Howell was named to assist in the work of organization.

The main objects of the School are to establish courses for the training of qualified persons for public health work, to promote investigative work in hygiene and preventive medicine and provide opportunities for the training of investigators in these subjects, and to develop adequate means for the dissemination of sound hygienic knowledge. Men and women are admitted on the same terms.

Courses and Degrees

I. Course leading to the degree of Doctor of Public Health:

The purpose of this course is to furnish instruction in public health knowledge and methods to those who have a liberal education and a fundamental training in medicine. The course will consist of specified work throughout two years together with a summer spent in field work in some organized public health service. The specified work will comprise courses in the following subjects: advanced bacteri-

ology and immunology; the chemical and bacteriological analysis of foods, water and sewage; statistical methods; sanitary and administrative law; nutritional and environmental hygiene; the history of hygiene; protozoology and medical zoology, epidemiology, the administrative control of disease, sanitation and public health organization, sanitary engineering, and social and mental hygiene. It is understood that these requirements may be modified to suit the needs or aptitudes of special students. An essay based upon individual study of some problem or subject in hygiene is to be submitted before receiving the degree. Graduates in this course should be prepared to serve as public health officials in those important positions in which the health of large communities is involved and in which relations must be maintained both with the medical profession and the general public. The following groups of students will be accepted as candidates for this degree:

a. Graduates of approved medical schools who have had a liberal education as evidenced by a degree in arts or science, or its equivalent. These candidates will be required to pursue a two-years' course together with one summer of practical work in an organized public health service.

b. Students who have completed satisfactorily three years of the course in an approved medical school and who have had a liberal education as evidenced by a degree in arts or science, or its equivalent, may be accepted as candidates for this degree while completing the course in medicine. Arrangements have been made with the Johns Hopkins Medical School whereby students in this school can pursue a combined course in medicine and in public health of such a character that a student may receive his degree in medicine on the completion of four years' work, and his degree in public health after an addi-

tional or fifth year of work in the School of Hygiene and Public Health together with a summer spent in practical field work. In their fourth year these students may fill all of their elective hours with subjects taken from the curriculum of the School of Hygiene and Public Health. A combined course of a similar character may be obtained with other schools by special arrangement.

II. Courses leading to the degree of Doctor of Science in Hygiene:

The underlying object in the arrangement of these courses is to train specialists in the various departments of public health work, and to afford opportunity for those not graduated in medicine to undertake public health work.

The candidate is expected to absolve certain courses of a basic character, but for the most part his time will be devoted to advanced work in some one department. This work must include a special investigation of some problem the results of which are to be presented in the form of a dissertation. In view of the special requirements and the time implied in completing successfully a definite research, it may be assumed that after obtaining the bachelor's degree at least three years of work will be necessary to meet all the requirements for the degree of Doctor of Science in Hygiene.

To be accepted as a candidate for this degree the following requirements must be fulfilled:

a. A degree in arts or science or its equivalent, as evidence of a liberal education.

b. Certificates of the satisfactory completion of adequate courses in chemistry, physics, and biology.

c. Certificates of the satisfactory completion of adequate courses in anatomy, physiology, and pathology.

d. In exceptional cases, on the recommendation of the head of a department, a candidate may be accepted who offers in place of (c) satisfactory evidence of special

training of an advanced character in subjects fundamental to his main field of work.

After acceptance as a candidate the student will be assigned for advice and guidance to the head of the department in which he will specialize. The regulations governing the presentation and publication of dissertations, and the oral and written examinations of candidates, are published in the catalogue of the School of Hygiene and Public Health, which will be sent on application.

III. Course leading to the degree of Bachelor of Science in Hygiene:

The course requires two years of work taken partly in the School of Hygiene and Public Health and partly in the Medical School. It is based upon a liberal education and an adequate knowledge of physics, chemistry, and biology such as can be obtained in two years of a college course. The first year's work consists of courses in physiology, bacteriology, anatomy and histology, the chemistry of foods, water and sewage, and physiology as applied to hygiene. The second year's work consists of courses in advanced bacteriology, immunology, parasitology, pathology, statistics, nutritional hygiene, and sanitary engineering. The requirements for matriculation in these courses are as follows:

a. Certificate of matriculation in an approved college and the completion of at least two years of college work.

b. Certificates of adequate courses in biology, physics, and chemistry, including organic chemistry.

By an adequate course is meant in physics one year of college work covering approximately 100 hours of laboratory and 100 hours of class work; in biology one year of college work covering approximately 150 hours of laboratory and 100 hours of class work; in chemistry one to two years of college work covering approximately 250 hours of laboratory and 120 hours of class work.

IV. Course leading to a Certificate in Public Health:

A certificate in public health may be awarded to qualified persons after one year of residence and the satisfactory completion of lectures and laboratory courses equivalent in amount to the work of a full academic year. The courses followed must include practical work in bacteriology, sanitary engineering, statistics, epidemiology, and in such other courses as may be approved by the faculty.

Candidates for these certificates must be graduates in medicine of an approved medical school or graduates in arts or science who can furnish satisfactory evidence of previous training in the physical and medical sciences.

V. Intensive Course for Public Health Officers:

An intensive course lasting for six weeks in the session of 1922-23 will be given in the first half of the second trimester (January-February). This course is intended primarily for public health officers and for physicians intending to enter public health work. The exercises take place from 9 a. m. to 1 p. m. and from 2 to 5 p. m. They include lectures, conferences, laboratory work and demonstrations, and visits of inspection. The fee for the course is $50.00. Schedules and other details may be obtained on application.

VI. Intensive Course in Medical Zoology.

This course is offered for three weeks, usually at the beginning of the second trimester. It consists of lectures, demonstrations and laboratory work in the field of parasitology. The fee for the course is $25.00. Schedules and other details may be obtained on application.

Special Students

An opportunity to use the facilities of the School will be granted to the following groups of special students not registered as candidates for a degree:

1. Public health officers who may wish to take one or more lecture or laboratory courses, or engage in the study of some special problem.

2. Other qualified persons who may wish to attend special courses or undertake research work and whose qualifications receive the formal approval of the faculty of the School.

The De Lamar Lectures in Hygiene

A series of popular lectures in personal and public hygiene will be arranged each session. The object of these lectures is to bring before the public the general facts and points of view of modern hygiene, with the hope that in this way the School may serve as a center for the distribution of useful knowledge in all matters pertaining to sanitation and preventive medicine. These lectures are supported from the fund bequeathed to the Medical School by Joseph R. De Lamar.

Scholarships

A certain number of scholarships carrying free tuition are awarded annually by the Trustees of the University upon the recommendation of the faculty. These scholarships are awarded for one year, but may be renewed for a second year. Applications may be made to the Director of the School.

Fellowships

Six research fellowships carrying each a stipend of $1,000, with exemption from all charges for tuition, are awarded annually by the Trustees of the University upon the recommendation of the faculty. The conditions upon which these fellowships are awarded are as follows:

1. The applicant must have received his doctor's degree in

medicine, science, philosophy or public health, or furnish evidence of experience and meritorious service in scientific work.

2. The holder of a fellowship must give his time primarily to investigative work, approved by some member of the staff of the School, and must be in residence during the academic year, unless permission is granted to him by the faculty to carry on his work elsewhere.
3. The application should be made prior to March 1st, in writing, addressed to the Director of the School of Hygiene and Public Health.

Registration and Calendar

All students upon entering must report at the Director's office for registration and payment of fees.

The academic year is the same as in other departments of the University.

Instruction begins in the fall on the Tuesday nearest to the first of October. The graduating exercises are held on the second Tuesday of June. There are short recesses at Christmas and Easter.

Since instruction is arranged on a trimestral basis, it is possible for candidates for the degree of Doctor of Public Health or Doctor of Science in Hygiene to enter the School at the beginning of any trimester, and to graduate at the end of any trimester. Formal bestowal of degrees takes place at the University Commencement in June and on Commemoration Day, February 22nd.

Tuition

The charge for tuition in the courses leading to a degree or a certificate is $250 per annum, payable at the office of the Director, in three instalments, one at the beginning of each trimester. For students taking special courses the charge

for one trimestral course, including laboratory work, is $50.00. The charge for shorter courses will be arranged on application.

For further information address the Director of the School of Hygiene and Public Health, Johns Hopkins University, 310-312 W. Monument Street, Baltimore, Md.

IV. THE SCHOOL OF ENGINEERING

The Foundation

The establishment of the School of Engineering of the Johns Hopkins University was made possible by the passage of an Act of the General Assembly of the State of Maryland in its session of 1912. The preamble of the Act quotes the Declaration of Rights of the State as follows: "The Legislature ought to encourage the diffusion of knowledge and virtue, the extension of a judicious system of general education, the promotion of literature, the arts, sciences, agriculture, commerce and manufactures, and the general amelioration of the condition of the people." The Act further states that its purpose is the extension to the people of this State of opportunities, facilities, and advantages for education in applied science and advanced technology not hitherto *available to them.*

The Act provides a liberal appropriation for the erection of buildings and the purchase of equipment, and a continuing annual appropriation available to the University each year. In conformity with the purpose and provisions of the Act the University offers each year a number of scholarships granting free tuition to residents of the State of Maryland.

Instruction was begun in the branches of Civil, Electrical, and Mechanical Engineering in the first of the new laboratories at Homewood, in October, 1914.

General Plan of Instruction

The Department of Engineering offers graduate and undergraduate courses in the branches of Civil, Electrical and Mechanical Engineering. An undergraduate course in Chemistry is also offered, which has been arranged with special reference to the needs of chemical industries.

The laboratories at Homewood, designed after careful

study, provide every accommodation and facility for professional instruction. Besides the complete provision which has been made for undergraduate instruction, equipment has also been chosen with special reference to advanced study and experimental research.

The University operates its own steam and electric power plant, which furnishes heat and electric light and power to the various buildings of the University group at Homewood. The types of the equipment in the power house, their arrangement, and the method of distributing heat and power through tunnels to the various buildings, have been chosen with particular reference to their use for the purposes of instruction.

A number of photographs and plans of the buildings of the engineering group are shown in the announcement of the School of Engineering. A description of the buildings, with illustrations, has been published in the *Johns Hopkins University Circular* of December, 1916.

Graduate Courses

The graduate courses offer advanced professional instruction. The plan of conducting the work of these courses is in general similar to that which governs the graduate work of other departments of the University.

The progress of the several branches of Engineering is followed in the current literature. Fitness for independent study and investigation is developed by seminary methods and in the laboratory. Special opportunities are offered for research and for experiment in the solution of engineering problems. Effort is made to maintain intimate contact with public corporations and municipal and State departments, and with others engaged in engineering enterprise, with the purpose of studying their problems and so aiding scientific progress in the methods of engineering.

The encouragement of individual initiative and independent study in the graduate courses constitutes especially valuable training for those who desire to become teachers of engineering subjects.

Detailed statements concerning the graduate instruction which is offered in the several branches of Engineering are given below. Correspondence is invited as to the facilities which may be offered for the investigation of special problems.

In addition to the professional courses enumerated below, attention is also drawn to a number of courses in allied subjects which are readily available. These courses present the most recent advances in the several sciences from the point of view of theory in its bearing on industrial applications and public needs. Among the more important are those in applied chemistry, economic geology, and the courses in the School of Hygiene and Public Health. Through the close relationship between these courses and the graduate work in Engineering, exceptional opportunities are offered for specialized professional investigation.

Undergraduate Courses

The undergraduate courses in Engineering aim to give the student a thorough training in the principles of the several branches of Engineering and an introduction to the methods of practice. Emphasis is laid upon fundamental and cultural studies in the first two years. In the later years these studies are combined with professional subjects to an extent which should give the graduate a training and equipment enabling him to take intelligent and increasingly responsible part in engineering undertakings. Particular effort is made to impart a thorough grounding in the general principles of the several branches of Engineering, the greater portion of the time being devoted to this purpose. The further study of special applications is assigned to the graduate years.

The course of undergraduate instruction continues through four years. The program of studies for the first year is the same in all branches (Civil, Electrical, and Mechanical Engineering and Chemistry). Engineering studies begin in the second year, increasing in number and extent in the third and fourth years. Free-hand drawing is taught in the first

year and mechanical and engineering drawing continues through all four years. The fundamental and general educational studies are conducted with the aid of the faculty of the College of Arts and Sciences.

The student may choose at the beginning of the third year the branch of Engineering which he wishes to follow. The fourth year is devoted mainly to professional studies of the principal subject. One of the earlier courses in each subject is arranged with special reference to the needs of students in other branches of Engineering. The curriculum provides places for several elective studies.

In addition to recitations and personal conferences, practical work in the laboratory, demonstrations, and the study of existing engineering installations are prominent features of the methods of instruction.

Students are required to secure employment with engineering or other industrial organizations during the summer months. Permanent arrangements with a number of such organizations facilitate this feature. At least six months of such work is a prerequisite for graduation.

An unusual feature of the undergraduate instruction is a course of lectures on "Engineering Practice." These lectures are given by practising and operating engineers. They are particularly designed to bring before the student the essential features of the planning, construction, and operation of modern engineering projects.

The requirements for admission are the same as for the College of Arts and Sciences and are given on pages 391, 393.

General regulations regarding enrollment, attendance, examinations, etc., and the arrangement of courses will be found in the special catalogue of the School of Engineering.

Degrees

As evidence that the undergraduate course in Engineering has been successfully completed, the degree of Bachelor of Engineering is conferred at its close. This degree is not

intended to indicate completion of formal educational training in Engineering, but rather to mark a starting point from which students, who are for any reason not able or inclined to continue in the rigid discipline of advanced professional study, may nevertheless enter with credit into engineering work under the direction of others.

The student will normally follow one of the prescribed course of study. Substitution of other studies in place of those prescribed may be made only by special arrangement.

Application for credit for work done elsewhere and for advanced standing should be made to the Advisory Committee of the School of Engineering before the opening of the year.

The degree of Bachelor of Science in Chemistry is conferred on satisfactory completion of the undergraduate course outlined in the catalogue of the Department of Engineering.

The degrees of Master of Civil Engineering, Master of Electrical Engineering, Master of Mechanical Engineering are conferred upon those who satisfactorily complete two years of professional study following the degree of Bachelor of Engineering, as described above, or its equivalent. The general character of this training and the courses which are followed have already been described.

The degrees of Doctor of Engineering and Doctor of Philosophy are open to those who wish to proceed further in special professional study and original investigation, and who comply with the requirements for those degrees. The specific requirements for the former are stated in the separate catalogue of the School of Engineering; for the latter degree see page 370 of this Register.

Scholarships

The legislative bill which established the School of Engineering makes liberal provision for scholarships granting free tuition to deserving students who reside in the State of Maryland.

One hundred and eight scholarships are awarded to young

men from Baltimore City and the various counties of the State whose means are such that they are unable to procure a technical education unless free tuition is granted them. In addition twenty-one scholarships are open to graduates of seven colleges of Maryland.

The scholarships are awarded so that as nearly as possible the same number of appointments in each county is made each year. For the year 1922-23 scholarships are vacant in the Counties and in Baltimore City in accordance with the following list:

Allegany	4	Garrett	2
Anne Arundel	1	Harford	0
Baltimore County	1	Howard	2
Baltimore City, 1st district.	1	Kent	2
Baltimore City, 2d district..	3	Montgomery	1
Baltimore City, 3d district.	1	Prince George's	1
Baltimore City, 4th district.	2	Queen Anne's	0
Calvert	1	Somerset	1
Caroline	0	St. Mary's	1
Carroll	1	Talbot	0
Cecil	0	Washington	3
Charles	1	Wicomico	2
Dorchester	2	Worcester	0
Frederick	1		

The total number of scholarships which may be held by the residents of the various Counties and of Baltimore City, is given in the following list:

Allegany	6	Garrett	3
Anne Arundel	4	Harford	3
Baltimore County	6	Howard	2
Baltimore City, 1st district..	6	Kent	2
Baltimore City, 2d district..	6	Montgomery	4
Baltimore City, 3d district..	6	Prince George's	4
Baltimore City, 4th district..	6	Queen Anne's	2
Calvert	2	Somerset	3
Caroline	3	St. Mary's	2
Carroll	4	Talbot	3
Cecil	3	Washington	5
Charles	2	Wicomico	3
Dorchester	4	Worcester	3
Frederick	5		

Competitive Examination for Scholarships

In order to secure one of these scholarships, application must be made both for entrance to the University and for the scholarship on blank forms which will be furnished by the Registrar of the University. Applications for the scholarship are considered only after the applicants have satisfied the requirements for admission. Examinations are held in September. [September 18-21, 1922.]

If there is more than one applicant for a particular scholarship, a special competitive examination is held the day following the Autumn entrance examinations. This examination is in Mathematics, English, and one of the four foreign languages—French, German, Spanish, Latin. The scope in each subject is that of the requirements for entrance. The examination in the three subjects covers one three-hour session. [September 22, 1922.]

Public announcement is made immediately of the relative standing of the applicants in the competitive examination. Each successful competitor then secures the certification of the Senator from his county or legislative district that the applicant resides in such county or district, and that his financial circumstances are such that he is unable to pursue a technical education unless free tuition be granted. The results of the competitive examination are sent to each Senator, together with the necessary blank forms of certification. No award of a scholarship is made until this certificate is received.

In addition to the scholarships in the above list six scholarships "At Large" are awarded to any otherwise properly qualified residents of the State of Maryland.

Three scholarships are also offered to Maryland graduates of each of the following colleges: Loyola College, Maryland State College (University of Maryland), Mt. St. Mary's College, Rock Hill College, St. John's College, Western Maryland College, and Washington College. The award of these

scholarships is made without reference to the ability of the applicant to pay the fees, and is solely on the basis of merit as certified by the President of the College.

All the scholarships entitle the holders to free tuition, free text-books, and exemption from laboratory fees.

In each county and in each city legislative district the Senator has the privilege of recommending one of the scholarship holders for the "Senatorial Emolument" of $200, or other provision for defraying the cost of board and lodging. The recipient of the emolument is said to hold a "Senatorial Scholarship." Senatorial Scholarships may be awarded for 1922-23 in Baltimore City (3rd District), Allegany, Howard and Kent counties.

The appointments to all scholarships are for one scholastic year, but the holders are eligible for reappointment from year to year if they conform in character, industry, and ability to the standards and requirements of the University.

Ninety scholarships were held during the year 1921-22.

ENDOWED PROFESSORSHIPS AND LECTURESHIPS

The Baxley Professorship

By the will of Dr. Henry Willis Baxley, of Baltimore, who died March 13, 1876, a sum of money, amounting to $23,836.52, was received by the Trustees of the University to endow any medical professorship that they might think proper. This fund was kept intact and allowed to accumulate until it had reached the sum of $50,000. In 1901 the Trustees directed that the fund be set apart as a partial endowment of the Professorship of Pathology in the University, to be known as the Baxley Professorship of Pathology. The first incumbent was Dr. William H. Welch, who, on his resignation in 1917, was succeeded by Dr. William G. MacCallum.

The Caroline Donovan Professorship

Mrs. Caroline Donovan, of Baltimore, gave to the University in November, 1889, shortly before her death, the sum of one hundred thousand dollars to establish a professorship of English literature. The first incumbent is Dr. James W. Bright, who was designated Caroline Donovan Professor of English Literature in 1905. During the intervening years courses of lectures were given by resident and non-resident scholars devoted to study in this field.

The W. H. Collins Vickers Professorship

By the will of Mr. William H. Collins Vickers, of Baltimore, who died December 25, 1917, a sum of money, amounting to about $90,000, was given to the Trustees of the University to endow a professorship in Archæology to be known as The W. H. Collins Vickers Chair in Archæology. The first incumbent is Dr. David M. Robinson, who was appointed W. H. Collins Vickers Professor of Archæology in 1920.

The Percy Turnbull Memorial Lectureship

On May 6, 1889, Mr. and Mrs. Lawrence Turnbull, of Baltimore, founded a lectureship in memory of their son, Percy Graeme Turnbull, their purpose being to enable the University to offer an annual course of lectures on poetry by a lecturer to be chosen by the President of the University from among "properly qualified authors, writers, or professors of America or Europe." Twenty-three courses have been given on this foundation, the first in 1891.

The Herter Lectureship

Dr. and Mrs. Christian A. Herter, of New York, gave to the University in November, 1902, the sum of $25,000 "for the formation of a memorial lectureship designed to promote a more intimate knowledge of the researches of foreign investigators in the realm of medical science." The income of the lectureship is $1,000. According to the terms of the gift, some eminent worker in physiology or pathology is to be asked each year to lecture at the University upon a subject with which he has been identified. The selection of the lecturer is to be left to a committee representing the departments of pathology, physiological chemistry and clinical medicine, and "if in the judgment of the committee it should ultimately appear desirable to open the proposed lectureship to leaders in medical research in this country there should be no bar to so doing." Fourteen courses have been given on this foundation, beginning in 1904.

The James Schouler Lectureship

In March, 1908, Dr. James Schouler, of Boston, who had lectured in this University annually since 1891, announced his purpose to found a permanent lectureship in the University, to be known as "The James Schouler Lectureship of History and Political Science." It is expected that the endowment of the lectureship will eventually be $25,000. The donor

expressed the wish that "such lectures be given annually if possible, * * * and that persons of promise or prominence be selected to lecture, who are capable of interesting as well as instructing an audience." The lectureship was inaugurated in April, 1909.

The Albert Shaw Lectureship

Dr. Albert Shaw, of New York, a graduate of this University, gives annually the sum of $250 as the honorarium of a lecturer on Diplomatic History. The lectures have been given before the advanced students of history and political science, beginning in 1898. The lecturers have, in most cases, been alumni of the University.

The George Huntington Williams Memorial Lectureship

In February, 1911, Mrs. George Huntington Williams, of Baltimore, her two sons, and Miss Cornelia Williams, of Utica, N. Y., gave to the University a fund to be known as the "George Huntington Williams Memorial Fund," to perpetuate the memory of Dr. George Huntington Williams, late Professor of Inorganic Geology and Petrography in this University. One-half of the income of the fund is to be devoted to promoting investigation in the department of Geology; the remaining half is to be used in securing a lecturer of distinguished attainments on some topic of widespread contemporary interest. The lectureship is to be called "The George Huntington Williams Memorial Lectureship." It was inaugurated in 1920.

In January, 1904, the Trustees decreed that certain chairs should bear the names of leading contributors to the Endowment Fund of 1902, as memorials of their liberality. In pursuance of this action four professorships have been thus desig-

nated: The B. N. Baker Professorship of Chemistry; the Francis White Professorship of Greek; the W. W. Spence Professorship of Semitic Languages; the Henry Walters Professorship of Zoology.

THE JOHNSTON SCHOLARSHIPS

These scholarships, of which there are three, known as the Henry E. Johnston Scholarship, the James Buchanan Johnston Scholarship, and the Henry E. Johnston Jr. Scholarship, were founded in 1904 by Mrs. Harriet Lane Johnston, of Washington, formerly of Baltimore, in memory of her husband and her two sons. They are awarded annually by the Trustees on the recommendation of the Academic Council. The stipend of each scholarship is fifteen hundred dollars per annum. They are offered primarily to young men who have given evidence of the power of independent research. The holders of the scholarships will be expected to devote themselves to study and research in their chosen subjects, though they may be required to do some teaching. Each one will be designated as the "Holder of the ..... Johnston Scholarship."

REGULATIONS

Candidates for the Johnston Scholarships must make application, in writing, to the President of the University *before the first of March*. The applications must be accompanied by such evidence of the candidate's fitness as they may be able to present. The President will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees at their meeting early in April.

Holders of the scholarships may not engage in teaching elsewhere.

The scholars will be appointed for one year; but, if their work prove satisfactory, they will generally be reappointed.

FELLOWSHIPS

FELLOWSHIPS BY COURTESY

The Academic Council may, at their discretion, by special vote, enroll as Fellows by Courtesy—

(*a*) Persons who are, or who have been, teachers in colleges and other like institutions, and who wish, for brief periods, to avail themselves of the opportunities here afforded for study and for the use of books and laboratories.

(*b*) Holders of fellowships in other colleges, during their residence here.

(*c*) Those who have been fellows of this University and desire to continue in residence.

Fellows by Courtesy will not be exempt from the payment of fees, except by special vote.

THE ADAM T. BRUCE FELLOWSHIP

This fellowship was founded in 1887 by the mother of Adam T. Bruce, Ph., D., late fellow and instructor in this university, as a memorial of her son, and is awarded annually. It is bestowed by the appointing board upon the candidate whom they consider most likely to promote biological science, and especially animal morphology, by original research. The stipend is the income of the Adam T. Bruce Fellowship endowment of ten thousand dollars. Preference is given to those who have already held fellowships in the Johns Hopkins University.

The electors consist of the President of the University, the chief instructor in animal morphology, the chief instructor in animal physiology, and a non-resident member annually chosen by the resident electors.

REGULATIONS

Candidates for the Bruce Fellowship must make application, in writing, to the President of the University *before the first of March.* They must forward to the President, at the same time, such evidence of their qualifications for appointment as they desire to be considered by the electors, who may require any candidate to appear before them in person.

The Bruce Fellow shall devote his time to study and research in biology at a place approved by the President of the University, and he shall, during the month of February in the year of his tenure of the fellowship, send to the President a written statement of the scientific work accomplished by him since his appointment.

The tenure of the fellowship shall commence on the first of September.

Two hundred and fifty dollars shall be paid to the Fellow on October 1, and the remainder at convenient intervals during the tenure of the fellowship.

The holder shall not be more than thirty years of age at the date of his election.

The Bruce Fellow may be re-elected, but not oftener than twice, and he shall be exempt from charges for tuition.

The electors shall have the power to declare the fellowship vacant, if its holder prove, in their opinion, unworthy; and no further stipend shall be paid to such person.

The successful candidate is expected to signify his acceptance *not later than April 15.*

THE WILLIAM S. RAYNER FELLOWSHIP

The Rayner Fellowship was founded in 1899 by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this University the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to ten thousand dollars, and the income is available for a fellowship, which is bestowed annually by the Academic Council upon an advanced student in the department of Semitic Languages. Applications must be addressed to the President of the University, in writing, *before March 1.* The successful candidate is expected to signify his acceptance *not later than April 15.*

THE EDMUND LAW ROGERS FELLOWSHIP

This endowment, the amount of which is ten thousand dollars, was established in 1910 by Mrs. Edmund Law Rogers and her daughter, Mrs. Kirby Flower Smith, in memory of the late Edmund Law Rogers, of Baltimore, and is known as the Edmund Law Rogers Fellowship.

The fellowship, to which the University has added the privilege of exemption from tuition fees, is awarded annually for proficiency in both the Greek and the Latin languages and literatures. The candidate must have had at least two years of graduate study in the Johns Hopkins University, or have satisfied the examiners of his training and ability by written examinations and the submission of a thesis. Application must be made *prior to March 1,* in writing to the President of the University. The successful candidate is expected to signify his acceptance *not later than April 15.*

THE GEORGE HUNTINGTON WILLIAMS MEMORIAL FELLOWSHIP

It is expected that the "George Huntington Williams Memorial Fund" will provide for a fellowship in the department of Geology, to be known as the "George Huntington Williams Memorial Fellowship."

THE CHARLES A. W. VOGELER MEMORIAL ARCHAEOLOGICAL FUND

Mr. Charles A. W. Vogeler, a former student of the Johns Hopkins University, who died on March 21, 1919, bequeathed the sum of $5,000 to the Trustees to be used for research in Greek Archæology. It has been decided that the fund shall be placed at the disposal of the department of Archæology and Art, the income to be used for a fellowship—in

which case the University will add the privilege of exemption from tuition fees,—or for research abroad, or for any other purpose that the department may deem proper.

DU PONT FELLOWSHIPS

The E. I. du Pont de Nemours Company has given to the University annually since 1918 the sum of fifteen hundred dollars to establish two graduate fellowships in the department of Chemistry. These fellowships will be continued for the year 1922-23.

SCHOLARSHIPS FOR GRADUATE STUDENTS

UNIVERSITY SCHOLARSHIPS

For the encouragement of scholarship among those who have received the baccalaureate degree, and wish to continue their studies here, a number of University Scholarships are annually bestowed, as stated below:

1. Fifteen scholarships are open about the first of January to graduates of this or of other institutions who have been studying here during the previous part of the session. Those who wish to be candidates must make formal application to the President, *about December 15,* stating where they have been previously trained and what studies they have pursued in this University. He will appoint a committee of five to consider the applications, and, with the aid of such evidence as may be obtained, to make nominations to the Board of University Studies.

2. These scholarships entitle the holders to free tuition and are tenable for one year. They do not carry exemption from laboratory fees.

3. They are awarded as honors, and those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, or who are desirous of studying elsewhere, may do so and still have their names retained on the honor list. Those who receive the emolument will be expected to pursue their studies exclusively in this University.

4. The Board will reserve appointments if worthy candidates do not offer.

HOPKINS SCHOLARSHIPS

In the will of the founder of this University, his Trustees are requested to "establish, from time to time, such number of free scholarships in said University as may be judicious, and to distribute the said scholarships among such candidates from the States of Maryland, Virginia, and North Carolina, as may be most deserving of choice, because of their character and intellectual promise, and to educate the young men so chosen free of charge."

In accordance with this request thirty scholarships, entitling the holders to free tuition for one year, are offered to graduate students from Maryland, Virginia, and North Carolina. In addition to these, the Trustees have established ten similar scholarships which are open to graduate students from States of the South and Southwest other than those named.

The scholarships, known as Hopkins Scholarships, are bestowed for merit, and awards are made by the Academic Council in April of each year. Students can be recognized as candidates only when legal residents of the State from which they desire to be appointed. Holders of scholarships are eligible for re-election, but must make formal application. Application, in accordance with a prescribed form, must be filed at the president's office *before March* 1. Successful candidates are expected to signify their acceptance *not later than April* 15.

Those who are disposed for any reason to waive the pecuniary emolument may do so, and still have their names retained on the honor list. Scholarships may be forfeited because of frequent or prolonged absence, defective scholarship, or unworthy conduct. Holders are not exempt from laboratory fees.

THE A. MARSHALL ELLIOTT ROMANCE SCHOLARSHIP

The will of the late Professor A. Marshall Elliott, who died in 1910, contains the following provision: "I give and bequeath to the Johns Hopkins University, a body corporate, the sum of two thousand dollars to be used for the establishment of a scholarship for graduate students to be known as "The A. Marshall Elliott Romance Scholarship in the Johns Hopkins University."

The scholarship thus established is awarded annually, just before the Christmas recess, by the Academic Council, to one of the students in Romance Languages who at the time are in their first year of graduate work. The emolument of the scholarship is the income of the endowment during the preceding year, about one hundred dollars.

THE GEORGE PEABODY SCHOLARSHIP

The George Peabody Scholarship was founded in 1912 by the Trustees of the Peabody Education Fund, who, in partial preparation for the closing of the Trust, presented to the University a gift amounting to six thousand dollars. This sum is to be held and used as the endowment of a Peabody Scholarship in the Department of Education.

The scholarship is open to men and women who are residents of "The Southern and Southwestern States of our Union," including Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, South Carolina, Tennessee, Texas, Virginia and West Virginia. It is offered to candidates who can give evidence of a liberal education, such as the diploma of a college of good repute, and who intend to continue work in education, preferably in connection with a system of public schools in the territory mentioned above. Application must be made to the President of the University *prior to March 1.* There is no prescribed form. The successful candidate is expected to signify his acceptance *not later than April 15.*

The income of the scholarship is two hundred and seventy dollars per annum. The incumbent is expected to pay tuition and laboratory fees, and is eligible for reappointment.

WALTER COTTRELL QUINCY FUND

Mrs. Martha R. Quincy, formerly of Pittsburgh, provided by will for a legacy to the University of $20,000, to establish the "Walter Cottrell Quincy Fund," the annual income of which is to be equally divided among four meritorious students in the department of Physics to be selected by the President of the University. This fund was established in 1914.

WILLIAM H. GRAFFLIN SCHOLARSHIP

The Grafflin Scholarship was established in 1918 by a bequest of the late William H. Grafflin, of Baltimore, and is offered to advanced students who desire to conduct research in industrial chemistry. The income of the scholarship is one thousand dollars per annum.

SCHOLARSHIPS FOR FOREIGN STUDENTS

The Trustees have established five scholarships, yielding free tuition, for the benefit of graduate students from Latin-American republics; five scholarships of the same value to students from France, three to Mexican students, and five to Russian students,—all of these open to graduates or undergraduates.

SCHOLARSHIPS FOR UNDERGRADUATES

HOPKINS SCHOLARSHIPS

Sixteen "Hopkins Scholarships," established in accordance with directions contained in the will of the founder of the University, are open to residents of the State of Maryland. They entitle the holders to free tuition, but do not carry exemption from laboratory fees. They are tenable for the year subsequent to the appointment, the holders being re-eligible. Successful candidates who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list. The scholarships may be forfeited because of frequent or prolonged absence, defective scholarship, or unworthy conduct. These scholarships are awarded by the Board of Collegiate Studies, in accordance with the following regulations:

1. Four scholarships are open, at the beginning of the session, to entering students who are fully matriculated, and who stand best in a special examination in Mathematics and the foreign languages offered for matriculation. [*The examination in* 1922 *will be held September* 22. *Candidates must make written application to the Registrar not later than September* 15.]

2. Four are awarded in June to matriculated students whose records in the studies of the first year are most creditable. By "studies of the first year" is meant either the studies laid down for the first year in one of the suggested combinations, or such other studies, equivalent in amount, as may be approved of by the Committee on Scholarships and Honors.

3. Four are awarded for excellence in the studies of the second year, upon the same terms as in the case of the first

year, provided that the candidates shall have absolved the studies of the first year as above defined.

4. Four are awarded for excellence in the studies of the third year upon the same terms as in the case of the second year, provided that the candidates shall have absolved the studies of the first and second years.

WASHINGTON SCHOLARSHIPS

The Trustees offer to residents of the District of Columbia two scholarships yielding free tuition. These, like the Hopkins Scholarships, are awarded to undergraduate students for merit, do not carry exemption from laboratory fees, and are tenable for one year, the holders being eligible for reappointment.

WOODYEAR SCHOLARSHIPS

Mrs. William E. Woodyear, of Baltimore, gave to the Trustees in 1893, as a memorial of her husband, the sum of ten thousand dollars, in order to provide for the annual bestowal of five scholarships, of one hundred dollars each, under such conditions as the Trustees may from time to time prescribe. At present they are awarded to young men who are known to the President of the University to be in need of pecuniary assistance, and who, at the same time, have given evidence of character and ability.

MARYLAND SCHOLARSHIPS

Twenty "Maryland Scholarships" are annually offered to residents of this State who wish to pursue general courses in the arts and sciences. They entitle the holders to free tuition, but do not carry exemption from laboratory fees. The appointments are made for a single year, but the holders are eligible for reappointment. The scholarships are for the benefit of all parts of the State, and, accordingly, not more than one-half the number are awarded to residents of the city of Baltimore, and not more than one-half to those who are already members of the University. The appointing board

consists of the President of the Board of Trustees, the President of the University, and the Dean of the College Faculty.

Applicants must be fully matriculated and must make application in accordance with a prescribed form, accompanied by testimonials certifying to their character and pecuniary need. In the case of new students the scholastic standing is taken into consideration, preference being given to those who have taken the competitive examination for Hopkins Scholarships. In the case of resident students, their college records during the previous session serve as the basis of selection. *Resident students must apply before June* 1; *new students not later than September* 15.

THE ELI M. LAMB MEMORIAL SCHOLARSHIP

The Alumni Association of the Friends' School of Baltimore gave to the University in 1916 a fund of twelve hundred and fifty dollars, to establish a scholarship to be known as the "Eli M. Lamb Memorial Scholarship." The income is fifty dollars per annum, to which the Trustees add free tuition to the extent of fifty dollars. The scholarship is offered to undergraduates prepared at the Friends' School, of which Mr. Lamb was the founder and for many years the active head.

THE A. Z. HARTMAN MEMORIAL SCHOLARSHIP

Under the will of the late Mrs. Susan M. Hartman, of Baltimore, the University received in 1917 a sum of money with which to establish a scholarship in memory of her husband, the late A. Z. Hartman, for many years Professor of Greek and Latin in the Baltimore City College. The income is $200.00.

THE Z. MORTON KATZ MEMORIAL SCHOLARSHIP

The friends of Z. Morton Katz, of Baltimore, formerly a student in this University, who lost his life in the battle of Montfaucon in France, have established a memorial scholarship to be awarded annually to a member of the graduating

class of the Baltimore City College, on the ground of superior character and scholarship, preferably to a student who would not otherwise be financially able to enter the University. The value of the scholarship is $150.00.

HORTENSE G. MOSES SCHOLARSHIP

The Federation of Jewish Women's Organizations has established the "Hortense G. Moses Scholarship for the Encouragement of Hebrew Learning," to be awarded annually to the student doing the best work in elementary Hebrew. The value of the scholarship is one hundred dollars.

BALTIMORE CITY COLLEGE ALUMNI SCHOLARSHIP

The Alumni Association of the Baltimore City College offers annually a scholarship to a graduate of that school.

JUMBLE-INN SCHOLARSHIPS

The Jumble-Inn Scholarships were established in 1920 by the gift of a fund to the University from the Jumble-Inn Com-Committee, Mrs. Sumner A. Parker (Chairman), Mrs. Walter Wickes, Mrs. W. W. Keith, Mrs. James H. Preston, Mrs. Julian Ridgely, Mrs. William McMillan, and Miss Sarah Fischer. The income of the fund only is to be used for the benefit of women teaching in the elementary public schools of Baltimore who are residents of the city, and who are pursuing instruction in the College Courses for Teachers as candidates for the degree of Bachelor of Science. One scholarship is available for the Summer Courses. Preference in every award is to be given to those in need of financial assistance in completing a college course. Application should be made to the President of the University.

SCHOLARSHIPS FOR FOREIGN STUDENTS

Five scholarships yielding free tuition are offered to undergraduate or graduate students from France, three to students from Mexico, and five to students from Russia.

ENGINEERING SCHOLARSHIPS

One hundred and eight scholarships are offered to undergraduate students in the School of Engineering, besides twenty-one to graduates of Maryland colleges.

PRIZES

THE JOHN MARSHALL PRIZE

This prize was established in 1891 by a lady living in New England. It consists of a bronze replica of a likeness of Chief Justice Marshall, and is awarded annually by the Academic Council to that graduate of the Johns Hopkins University who has made within the year the most valuable contribution to historical or political science.

THE HENRICO MEDALLION

This prize is the gift (made in 1902) of the Colonial Dames of America, Chapter I, and consists of a copper medallion bas-relief commemorating the foundation of a university at Henrico, in Virginia, in the year 1619. It is bestowed in alternate years upon a graduate or student of the Johns Hopkins University, not more than ten years after his receiving the degree of Bachelor of Arts, as a recognition of special excellence in early American History.

THE TOCQUEVILLE MEDAL

The Tocqueville medal has been offered annually since 1898 by the Baron Pierre de Coubertin, of Paris, and is awarded by the University to that student who shall have delivered the best speech in a contest in public speaking held annually in the second half-year. In this contest each speaker discusses some phase of a general topic, announced

some weeks previously, chosen from the field of French history, politics, or literature in the nineteenth century. The speeches are delivered in English. The medal is given in honor of the illustrious Frenchman, Alexis de Tocqueville (1805-1859), author of the well-known historical and political studies, "Ancien Régime" and "Démocratie en Amérique."

THE SYLVESTER PRIZE

The Sylvester Prize is the gift of several Baltimore gentlemen, and is offered to advanced students of mathematics as a reward for original research. It consists of a medallion likeness of Professor J. J. Sylvester, the first professor of mathematics in this University.

THE SEVERN TEACKLE WALLIS MEMORIAL PRIZE

The Severn Teackle Wallis Memorial Prize was established in 1905 by the Wallis Memorial Association of Baltimore. It consists of about fifty dollars in money, and is offered to an undergraduate or a graduate student of the University for an essay on some subject connected with Spanish Literature or History, or for some original work done in either of said subjects. Essays must be submitted *before May* 1.

THE ADAMS PRIZES AND MEDAL

The Trustees set aside annually the sum of fifty dollars for the purchase of books to be awarded as prizes to the undergraduates who are successful in the annual public debates between members of the two higher classes. These prizes, which were originally offered by the late Professor Herbert B. Adams, are known as the Adams Prizes.

A gold medal known as the Adams Medal is also awarded annually to the best speaker in the public contest participated in by members of the second-year undergraduate class.

TUITION FEES AND EXPENSES

A. IN THE PHILOSOPHICAL DEPARTMENT AND THE SCHOOL OF ENGINEERING

Tuition Fee

Students entering the College of Arts and Sciences and the School of Engineering in October, 1922, as well as those admitted in October, 1921, will pay $250.00 per annum; other students in these departments will be charged $200.00. Students attending Graduate Courses will pay $150.00. The fee is payable in two installments, October 1 and February 1, and no student is at liberty to attend classes until he has settled with the Treasurer. There is no additional charge for the use of the library and the reading room.

Enrollment Fee and Caution Money

All students, excepting those in the College Courses for Teachers, the Summer Courses, and the Evening Courses, are required at entrance to pay an enrollment fee of $5.00 and deposit $10.00 as caution money, the latter being repaid to them when they leave the University, if there are no charges against them.

Special Undergraduate Fees

A fee is $10.00 is annually charged to every undergraduate, in return for which he receives the use of the Homewood field and tennis courts, including locker and towel-service, and admission to all athletic contests at Homewood in which the University students participate. The money thus derived is devoted to defraying the expenses of the University Athletic Association.

Each undergraduate is also charged an annual fee of $10.00 for the support of non-athletic activities, and this covers sub-

scription to all student publications, admission to dramatic and musical entertainments, Y. M. C. A. membership, etc.

Fees are charged, as below stated, for material consumed in the laboratories and for diplomas.

No deduction is made at the Treasurer's office because of absence for a period of less than half a year, or because a student gives only a part of his time to study, or because he belongs to but one class. Prompt payment of fees is required.

Students withdrawing from the University, or from a course, must at once notify the several instructors concerned, as well as the Registrar; otherwise they will be liable to the full charge for tuition or laboratory work.

Fees for Limited Attendance on Graduate Courses

Persons who are able to give only a portion of their time to study, and who are prepared to undertake graduate work, are permitted to attend lectures, not exceeding six weekly, on the payment of $12.00 a year for each hour per week, in addition to the enrollment fee of $5.00 (payable once only, at entrance) and the deposit of $10.00 as caution money. Persons attending more than six hours weekly will be required to pay the full tuition. Work in a laboratory may be taken by such persons as are not attending more than three lectures per week, upon payment, in advance, of the regular laboratory fee.

Candidates for the degree of Master of Arts or of Doctor of Philosophy, who are permitted, while in attendance at the University, to follow courses in a local Law School, may, provided their courses of lectures at this University do not exceed six hours per week, enroll under the above provision, but for not more than one year; and this year may not be that in which the candidate intends to present himself for examination.

Fees for the College Courses for Teachers

The charge for instruction is $12.00 a year for each hour of instruction, payable in semi-annual installments of $7.00 and $5.00 in October and February, respectively. Two or three hours of laboratory work, varying with the course, are charged as one hour of recitation or lecture. Students in all other divisions of the University, paying full tuition or on scholarship appointment, are permitted to register in any courses given in the College Courses for Teachers without payment of additional tuition fees, though they are subject to fees for laboratory work. Students registering after Saturday, October 21, or after Monday, February 12, will be subject to an additional fee of $3.00 for late registration.

The matriculation fee for the degree of Bachelor of Science is $5.00, payable at the time of matriculation.

Fees for the Summer Courses

The tuition fee is $35.00, payment of which entitles the student to attend as many as three courses. An additional course may be attended, with the approval of the Director, on the payment of an extra fee of $14.00. (Under very exceptional circumstances, a student may register in one course only. The tuition fee in such cases will be $22.00.) The fee for the use of the tennis courts at the athletic field, including towel service, is $2.00. Additional fees are required for materials used in some of the courses. No reduction of fees will be allowed for late entrance or for withdrawal. For late registration a fee of $3.00 will be charged. Registration may be made, in advance, by mail prior to June 28; after this date in person only.

Checks will be received in payment of fees when drawn for the exact amount to the order of the Johns Hopkins University. For the convenience of students while in residence at the University, the Treasurer will receive out-of-town checks and drafts for payment upon collection. There is no charge for this service.

Fees for Evening Courses

For the Courses in Business Economics and for Technical Workers the fees are on the basis of $10.00 for each hour of instruction through the year.

Laboratory Charges

In Chemistry: For undergraduates and for graduates who take Chemistry as a subordinate subject, $24.00 a year; for graduates and special students following Chemistry as their principal subject, and for fourth-year undergraduates in Chemistry, $36.00 a year. For a half-year, one-half of these amounts.

In Physics: For students who work two afternoons a week, $24.00 a year; for those who take Physics as their principal subject, $36.00 a year. For a half-year, one-half of these amounts.

In Biology: For undergraduates and for graduates who take Zoology, Botany, or Physiology as a subordinate subject, $24.00 a year; for graduates and special students following a biological science as their principal subject, $36.00 a year. For a half-year, one-half of these amounts.

In Geology: $10.00 a year; for a half-year, one-half of this amount. Students taking courses in Geology are expected to take part in a series of excursions, and to pay their personal expenses, which will amount to about $20.00.

In Engineering: For third- and fourth-year students in engineering subjects, $24.00 a year ($12.00 for a half-year); for candidates for advanced degrees $36.00 a year.

In all the laboratories, a charge is made for breakage and for apparatus not returned in good condition.

Instructors and Assistants pursuing courses with reference to higher degrees will pay such fees as may be agreed upon at the time of appointment.

Fellows by Courtesy and others who have the privileges

of guests in the various laboratories, are expected to pay the usual laboratory charges.

Doctors of Philosophy of this University who desire to remain for a time in the University after having received their diplomas, may do so without charge for tuition, but they are required to pay the usual laboratory charges.

Exception to the foregoing charges can be made only at the written request of the Director of a laboratory, approved by the President of the University.

Graduation Fees

The graduation fees are as follows, payable before the delivery of diplomas:

Doctor of Philosophy,	$10.00
Doctor of Engineering,	10.00
Master of Arts,*	10.00
Master of Engineering,*	10.00
Bachelor of Arts,	5.00
Bachelor of Engineering,	5.00
Bachelor of Science,	5.00

B. IN THE MEDICAL DEPARTMENT

The charge for tuition is $300.00 per annum, payable in three instalments, October 1, December 17, and March 11. There are no extra charges, except for rental of microscope, laboratory breakage, and certain expensive supplies. A deposit of $10.00 is required from each student at the time of enrollment. This "caution money" is repaid when the student leaves, if there are no charges against him.

Bills may be paid at the Dean's office, or at the office of the Treasurer of the University at Homewood.

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* If a Master of Arts or of Engineering proceeds to the degree of Doctor of Philosophy or of Engineering, he will be charged but $5.00 additional for that degree.

C. IN THE SCHOOL OF HYGIENE AND PUBLIC HEALTH

The charge for tuition in the courses leading to a degree is $250 per annum, payable at the office of the Director, in three instalments, one at the beginning of each trimester. For students taking special courses the charge for one trimestral course, including laboratory work, is $50.00. The charge for shorter courses will be arranged on application

LIVING EXPENSES

The University has no dormitories or other living accommodations. Students may find comfortable homes in the vicinity—in boarding houses or with families.

Lists of desirable places are kept by the Secretary of the University Branch of the Young Men's Christian Association, by the Registrar of the Medical School, and by the Secretary of the School of Hygiene.

BUREAU OF APPOINTMENTS

The University Bureau of Appointments, authorized by the Trustees, is under the supervision of a committee of the faculty, the members of which are Professors E. F. Buchner, J. C. French, R. V. D. Magoffin, and E. B. Mathews. Professor French is the Director.

The Bureau has each year secured for many resident students tutoring, reading, and clerical positions. It has placed graduating students in academic and non-academic positions. It also maintains a file in which many former students of the University are registered, and it has placed a number of these in better positions. This file is open to any former student of the University.

There are no fees attached to the services rendered by the Bureau of Appointments.

SUMMARY OF THE FACULTY

President and Professors,	71
Clinical Professors,	7
Associate Professors,	46
Assistant Professors,	4
Associates,	77
Instructors and Assistants,	147
	352
Lecturers for the year,	25
Additional Instructors in College Courses for Teachers, Courses in Social and Business Economics, Night Courses for Technical Workers, and Summer Courses,	72

GEOGRAPHICAL DISTRIBUTION OF STUDENTS *

Maryland (Baltimore 658),	870	Washington,	3
Pennsylvania,	52	Louisiana,	2
New York,	49	Wyoming,	2
District of Columbia,	38	Arizona,	1
Virginia,	36	Idaho,	1
Ohio,	30	Oklahoma,	1
Massachusetts,	26	South Dakota,	1
New Jersey,	19	Utah,	1
Georgia,	17	Vermont,	1
Texas,	17	*Foreign Countries*	
North Carolina,	16	China,	14
South Carolina,	16	Canada,	5
California,	15	Japan,	5
Illinois,	15	Philippines,	5
West Virginia,	15	South Africa,	4
Indiana,	11	Mexico,	3
Alabama,	10	Peru,	3
Tennessee,	10	Brazil,	2
Connecticut,	9	Colombia,	2
Michigan,	9	Czechoslovakia,	2
Missouri,	9	Nicaragua,	2
Maine,	8	Palestine,	2
Kansas,	7	Poland,	2
Kentucky,	6	Siam,	2
Colorado,	5	Belgium,	1
Delaware,	5	Bohemia,	1
Florida,	5	Costa Rica,	1
Minnesota,	5	England,	1
Mississippi,	5	France,	1
North Dakota,	5	Guatemala,	1
Rhode Island,	5	India,	1
Iowa,	4	Manchuria,	1
Montana,	4	Moravia,	1
Nebraska,	4	Norway,	1
Oregon,	4	San Salvador,	1
Porto Rico,	4	Uruguay,	1
Wisconsin,	4		
Arkansas,	3		1450

* Including only Graduate School, Medical School, School of Hygiene, College of Arts and Sciences, and Department of Engineering.

SUMMARY OF STUDENT ENROLLMENT, 1921-22

I.	GRADUATE SCHOOL OF ARTS AND SCIENCES:		
	1. Fellows by Courtesy,	5	
	2. Fellows:		
	Bruce Fellows,	2	
	Rayner Fellow,	1	
	Rogers Fellow,	1	
	Du Pont Fellows,	2	
	Vogeler Fellow,	1	
	Grafflin Scholar,	1	
	Peabody Scholar,	1	
	3. Other Students following Graduate Courses:		
	Full-Time,	177	
	Part-Time,	94	
			285
II.	DEPARTMENT OF MEDICINE:		
	Candidates for the Degree of Doctor of Medicine,		348
III.	SCHOOL OF HYGIENE AND PUBLIC HEALTH:		
	1. Candidates for Higher Degrees,	49	
	2. Candidates for Bachelor's Degree,	4	
	3. Candidates for Public Health Certificate,	11	
	4. Special Students,	42	
	5. Students in Intensive Courses,	25	
			131
IV.	COLLEGE OF ARTS AND SCIENCES:		
	1. College Graduates preparing for Medicine,	10	
	2. Candidates for the Bachelor's Degree,	388	
	3. Special Students,	16	
			414
V.	DEPARTMENT OF ENGINEERING:		
	1. Candidates for Higher Degrees and Special Graduate Students,	3	
	2. Candidates for the Bachelor's Degree:		
	a. College Graduates,	3	
	b. Undergraduates,	288	
	3. Special Undergraduate Students,	6	
			300
VI.	COLLEGE COURSES FOR TEACHERS:		
	1. Candidates for the Bachelor's Degree,	114	
	2. Special Students,	851	
	3. Students in Extension Courses,	67	
			1032
VII.	SOCIAL ECONOMICS:		
	1. Graduate Students,	12	
	2. Special Students,	15	
			27
VIII.	EVENING COURSES:		
	1. Business Economics,	625	
	2. Technical Subjects,	247	
			872
	Total receiving instruction, 1921-22,		3409
	Attendants on Summer Courses, 1921,		949
			4358
	Counted more than once,		487
	Net total,		3871

GRADUATE STUDENTS BY COLLEGES *

Adelphi College,	1	Denison University,	3
Alabama Polytechnic Inst.,	1	De Pauw University,	1
Alabama, University of,	7	Dickinson College,	2
Albany Medical College,	1	Earlham College,	1
Albright College,	1	Ellsworth College,	1
Allegheny College,	2	Elon College,	1
Arkansas, University of,	2	Emory and Henry College,	4
Anatolia College,	1	Emory University,	3
Baldwin-Wallace College,	1	Erskine College,	1
Baltimore Medical Coll.,	1	Fargo College,	1
Barnard College,	2	Florida State College,	1
Baylor Medical College,	1	Franklin and Marshall Coll.,	7
Baylor University,	2	Fredericksburg College,	1
Beloit College,	1	Furman University,	2
Bethel College,	1	Gallaudet College,	1
Birmingham Med. Coll.,	1	George Washington Univ.,	5
Blue Ridge College,	1	Georgia, University of,	4
Bonn, University of,	1	Goucher College,	37
Boston University,	2	Grinnell College,	3
Bowdoin College,	2	Guatemala, University of,	1
Brown University,	6	Guilford College,	1
Bryn Mawr College,	15	Hamilton College,	4
Bucknell University,	3	Hampden-Sidney College,	3
Butler University,	2	Hanover College,	1
California, University of,	6	Harvard University,	18
Cape Town, University of,	2	Haverford College,	3
Capitol University (O.),	1	Hiram College,	1
Carleton College,	1	Hollins College,	1
Catholic Univ. of America,	4	Hood College,	2
Centre College,	1	Hope College,	1
Charleston, College of,	3	Hunter College,	1
Chicago, University of,	11	Huron College,	1
Chulalangkorn, Univ. of,	1	Illinois, University of,	9
Cincinnati, University of,	2	Indiana University,	2
Clark University,	4	Iowa State University,	4
Colby College,	3	Jamestown College,	1
Colgate University,	1	Japan, Women's Univ. of,	1
Colorado College,	4	Jefferson Medical College,	2
Colorado, University of,	2	Johns Hopkins University,	152
Colombia (S. A.), Univ. of,	1	Juniata College,	1
Columbia University,	20	Kansas, University of,	3
Concordia College,	1	Kentucky School of Medicine,	1
Constantinople College,	1	Kentucky, University of,	4
Cornell University,	9	Kenyon College,	1
Creighton University,	1	Knox College,	1
Dartmouth College,	1	Krakow, University of,	1
Davidson College,	4	Kyoto, University of,	1

* Including Graduate School, Medical School, School of Hygiene, College of Arts and Sciences, and School of Engineering.

Lafayette College, - 3
Laval University, - 1
Lake Forest College, - 1
Lebanon Valley College, - 2
Lehigh University, - - 3
Leland Stanford Jr. Univ., 2
Lenoir College, - - - 1
Liége, University of, - 1
Loyola College, - - - 3
Luther College, - - - 1
Macalester College, - - 1
Madrid, University of, - 1
Maine, University of, - - 2
Marietta College, - 3
Maryland State College, - 1
Maryland, University of, - 7
Mass. Inst. of Technology, - 6
Meiji University, - - 1
Mercer University, - - 2
Mexico, University of, - 1
Miami University, - - 1
Michigan Agric. College, - 1
Michigan, University of, - 11
Minnesota, University of, - 1
Mississippi, University of, - 2
Missouri, University of, - 4
Monmouth College, - - 1
Montana, University of, - 2
Montevideo, University of, - 1
Montpellier, University of, 1
Morningside College, - - 1
Mount Holyoke College, - 6
Mount St. Mary's College, 2
Mount Union College, - - 1
Muhlenberg College, - 1
Nebraska, University of, - 2
Newberry College, - 1
New York, Coll. of City of, 2
North Carolina State Coll., 1
North Carolina, Univ. of, 10
North Dakota Agric. Coll., - 1
North Dakota, Univ. of, 1
North Georgia Agric. Coll., 1
Northwestern College, - 1
Norwich University, - 1
Oberlin College, - - - 6
Oglethorpe University, 3
Ohio State University, 3
Ohio University, - - 2
Ohio Wesleyan University, 3
Oklahoma, University of, - 1
Oxford, University of, - 1
Peking, National Univ. of, 3
Pennsylvania College, - 3
Pennsylvania State College, 2
Pennsylvania, University of, 2
Philippines, Univ. of the, - 3
Pittsburgh, University of, - 2
Pomona College, - - - 3
Prague, University of, - 4
Presbyterian Coll. of S. C., 1
Princeton University, - - 19
Purdue University, - - 1
Radcliffe College, - - 4
Randolph-Macon College, - 4
Randolph-Macon Wom. Coll., 6
Reed College, - - 4
Richmond College, - - 6
Roanoke College, - - 5
Robert College, - - 1
Rochester, University of, 1
Rockford College, - - 1
Rock Hill College, - - 1
Rutgers College, - - - 1
San Marcos (Lima), Un. of, 3
San Salvador, University of, 1
Saratow, University of, - 1
Simmons College, - - 2
Smith College, - - 7
South, University of the, - 2
South Africa, University of, 1
South Carolina, Univ. of, 3
Southern California, Univ. of, 2
Southern Methodist Univ., 1
Southwestern Coll. (Kans.), 3
Southwestern Univ. (Texas), 3
Spring Hill College, - - 1
St. John's College, - - 6
St. Louis University, - - 2
St. Mary's College (Neb.), - 1
St. Xavier's College, - - 1
Swarthmore College, - 2
Sweet Briar College, - - 1
Syracuse University, - - 4
Tarkio College, - - 1
Temple University, - - 1
Tennessee, University of, 4
Texas A. and M. College, - 1
Texas Christian Univ., - 2
Texas, University of, - - 6
Toronto, University of, 4
Trinity College (Conn.), - 1
Trinity College (D. C.), - 1
Trinity College (N. C.), - 4
Tulane University, - 1
Union University, - - 2

Upper Iowa University,	2	Washington University,	3
Ursinus College,	1	Wellesley College,	8
Vanderbilt University,	3	Wesleyan Univ. (Conn.),	3
Vassar College,	13	Western Reserve Univ.,	2
Vermont, University of,	1	Western Maryland College,	6
Vienna, University of,	1	West Virginia University,	1
Virginia Military Institute,	2	West Va. Wesleyan Coll.,	1
Virginia, University of,	10	Whitman College,	2
Wabash College,	1	William and Mary College,	3
Wake Forest College,	1	Williams College,	5
Waseda University,	2	Wilson College,	1
Washburn College,	2	Wisconsin, University of,	6
Washington College,	1	Wofford College,	1
Washing'n and J'ff's'n Coll.,	5	Wooster, College of,	3
Washington and Lee Univ.,	8	Yale University,	13

DEGREES CONFERRED, 1914-1921 *

The names of the recipients of degrees to June, 1913, inclusive, are printed in the *University Circular*, April, 1914.

When the institution is not named, this University or the Johns Hopkins Hospital is to be understood. The principal subjects of the Doctors of Philosophy and Masters of Arts are named. (F) Indicates holders of university fellowships here. * Deceased.

DOCTOR OF PHILOSOPHY

1914

Ashworth, John H. (F)—A. B. Emory and Henry 1906; Prof. Pa. Coll. 1914-18; Ohio Wesleyan 1918-19—Prof. Econ. &c. Univ. of Me., Orono—(*Economics*)

Blossom, Frederick Augustus—A. B. Amherst 1898; Instr. Romance Lang. 1911-13—New York (104 Fifth Av.)—(*French*)

Bourne, Ella, Ph. B. DePauw 1893; Ph. M. Mich. 1897; Instr. Mt. Holvoke 1914-16—Instr. Latin, Vassar Coll. Poughkeepsie, N. Y.—(*Classical Archaeol.*)

Clark, Floyd Barzilia—A. B. Richmond 1907; Instr. Pa. State Coll. 1914-16—Prof. Polit. Sci. A. and M. Coll. College Sta. Texas—(*Political Science*)

Clarke, Walter Fieldhouse—A. B. Hampden-Sidney 1908; Asst. Univ. of Ga. 1914-16—Bureau of Chem. Washington—(*Chemistry*)

Dolley, William Lee, Jr.—A. B. Rand.-Macon 1907—Prof. Biol. Rand.-Macon, Ashland, Va.—(*Zoölogy*)

Donaldson, John Levi, Jr. (F)—S. B. Md. Agric. 1910; Instr. Mt. Morris Coll. 1914-16; Prof. Roanoke Coll. 1916 19; Prof. Smith Coll. 1919-20—State Dept. Washington—(*Political Science*)

Edwards, John Bowen (F)—A. B. West. Md. 1903—Prof. and Acting Dean, Dickinson Sem. 1914-15; Prof. Classics, S. W. Presb. Univ. 1915-18—Professor of Latin, Univ. of the South, Sewanee, Tenn.—(*Greek*)

Elliott, Daniel Stanley (F)—A.B. 1911, A. M. 1913; late Asst. Prof. Ga. School of Tech.—Prof. Physics, Tulane Univ. New Orleans—(*Physics*)

Frederick, Edwin Louis (F)—A. B. 1911; Instr. A. & M. Coll. of N. C. 1914-17—Chemist, DuPont Co. Wilmington, Del.—(*Chemistry*)

***Gain, Josiah Wesley**—S. B. Chicago 1910; Assoc. Prof. Wash. and Jefferson 1914-15—(*Mathematics*)—**Dec.* 18, 1914.

Gorton, William Stuart (F)—A.B. 1908, A. M. 1910; Instr. Mass. Inst. Tech. 1911-13; Asst. 1915-16—East Orange, N. J. (150 Harrison St.)—(*Physics*)

Gossard, Harry Clinton (F)—S. B. Ohio Northern 1908—Instr. U. S. N. Acad. 1918 19—Prof. Math. Univ. of Okla. Norman—(*Mathematics*)

Hamilton, Arthur—A. B. Harvard 1907; A. M. Mich. 1910; Instr. Western Reserve 1914-16; Instr. Romance Lang. Univ. of Wisconsin 1916 18—Instr. Univ. of Ill. Urbana—(*French*)

Karrer, Enoch (F)—A. B. Univ. of Wash. 1911—Physicist, Nat. Elec. Lamp Assn. Cleveland—(*Physics*)

Kitasawa, Shinjiro—A. B. Waseda 1910; A. M. Univ. of N. C. 1911; Lect. Univ. of the South 1914-15—Prof. Econ. Waseda Univ. Tokyo—(*Political Economy*)

Lashley, Karl Spencer (F)—A. B. West Va. 1910; M. S. Pittsburgh 1911; Bruce Fellow 1914 15; Johnston Scholar 1915 17—Asst. Prof. Psychol. Univ. of Minn. Minneapolis—(*Zoology*)

Leake, James Miller (F)—A. B. Rand.-Macon; 1902; Assoc. Bryn Mawr 1914-17; Prof. Allegheny Coll. 1917-19—Prof. Hist. Univ. of Fla., Gainesville—(*History*)

Lubs, Herbert August—A. B. Newberry 1910—Chemist, Bureau of Animal Industry, Washington—(*Chemistry*)

Lund, Elmer J.—Ph. B. Hamline 1910; Bruce Fellow 1911-14—Asst. Prof. Zool. Univ. of Minn., Minneapolis—(*Zoölogy*)

MacKenzie, Donald—A. B. 1908, A. M. 1911; Asst. Astronomy 1914-18—Western Elec. Co. N. Y.—(*Physics*)

Miller, Bessie Irving (F)—A. B. Goucher 1907—Prof. Math. Rockford Coll. Ill.—(*Mathematics*)

***Richards, Annabella Elliott**—A. B. Bryn Mawr 1907; Asst. Medicine 1914-15; Instr. Bryn Mawr 1917-18; Instr. Physiol. Chem. 1918-19—(*Physiological Chem.*) **Feb.* 8, 1919.

* The list includes also those receiving degrees February 22, 1922, and at other times since Commencement in 1921.

Schmeisser, Henry Christian (F)—A. B. 1908, M. D. 1912—Prof. Path. and Bact. Emory Univ. Atlanta, Ga.—(*Pathology*)

Shenton, Walter Francis—S. B. Dickinson 1907; Instr. Math. 1914-18; Instr. Naval Acad. Annapolis—(*Mathematics*)

Sirich, Edward Hinman (F)—A. B. 1906; Prof. St. John's (Md.) 1908-12—Asst. Prof. French, Univ. of Minn. Minneapolis.

Taylor, William Anthony—A. B. Rand.-Macon 1908—Chemist, Edgewood Arsenal, Md.—(*Chemistry*)

Trexler, Harrison Anthony (F)—Ph. B. Bellevue Coll. 1906; Prof. Univ. of Montana, 1914 18—Asst. Prof. Econ. Whitman College, Walla Walla, Wash. —(*History*)

Wolman, Leo (F)—A. B. 1911; Prof. Hobart Coll. 1914-15; Lectr. 1915-16; Instr. Univ. of Mich. 1916-17; Assoc. 1917 19—New Sch. for Social Research, New York—(*Economics*)

Young, Mabel Minerva—A. B. Wellesley 1898; A. M. Columbia 1899—Instr. Math. Wellesley Coll. Mass.—(*Mathematics*)

(80)

1915

Armstrong, Mary Emma (F)—A. B. Olivet 1894; A. M. Mich. 1898; Instr. Goucher, Balt. 1915 20—Prof. Latin, Olivet Coll. Mich.—(*Classical Archaeol.*)

Coolidge, Walter Hatheral—Ph. B. Kenyon 1912; Prof. Georgetown Coll. Ky. 1914-16; Central Univ. Ky. 1916-18—Prof. Chem. Centre College, Danville, Ky.—(*Chemistry*)

Dunn, Grace Adelaide—Ph. B. Hamline 1909; A. M. 1914; Prof. Botany, Lake Erie Coll. 1917-18—Princeton, Minn.—(*Botany*)

Gorton, Arthur Feddeman (F)—A. B. 1912, A. M. 1914; Instr. Univ. of Minn. 1915 16; Instr. 1916-17—Cleveland, O. (7706 Platt Av. S. E.)—(*Physics*)

Greenfield, Kent Roberts (F)—A. B. West. Md. 1911; Instr. Delaware Coll. 1915 20—Asst. Prof. Hist. Yale Univ. —(*History*)

Holmes, James Eugene Levering (F)—A. B. 1912—Chemist, DuPont Co. Arlington, N. J.—(*Chemistry*)

Hopkins, Marion Byrd—A. B. 1912—Chemist, Standard Oil Co., N. Y. —(*Chemistry*)

Hubbert, Helen B. (F)—A. B. Missouri Valley 1907; Adj. Prof. Psychol. Rand.-Macon Woman's Coll. 1915-17—Phila. (401 S. 51st St.)—(*Psychology*)

Hulburt, Edward Olson—A. B. 1911—Instr. 1919 21—Asst. Prof. State Univ. Iowa City—(*Physics*)

Lloyd, Howard Huntley—A. B. 1912-14; Lectr. 1916-17—Prof. Chem. Goucher Coll. Balt.—(*Chemistry*)

McLean, Forman Taylor—Yale (Ph. B. 1907, M. F. 1908)—Instr. Plant Physiol. Univ. of Philippines, Los Banos —(*Plant Physiology*)

Middleton, Austin Ralph (F)—A. B. 1910—Assoc. Prof. Zool. Univ. of Louisville, Ky.—(*Zoology*)

Miller, Ellis (F)—A. B. 1912. Instr. Chem. 1915-18, Assoc. 1918-19—Du Pont Co. Wilmington, Del.—(*Chemistry*)

Moseley, Thomas Addis Emmet—A. B. 1907; Instr. Princeton 1915-16; Prof. Wash. & Jefferson Coll. 1916-19—Prof. Romance Lang. Va. Mil. Inst. Lexington—(*Italian*)

Mullikin, Richard Nicholas—A. B. 1912 —Chemist, DuPont Co. Wilmington, Del.—(*Chemistry*)

Musselman, Amos Sentman—A. B. Pa. Coll. 1912—Chemist, Standard Oil Co., Whiting, Ind.—(*Chemistry*)

Overbeck, Robert Milton (F)—A. B. 1909—Geologist, Shell Co. of Cal. San Francisco (343 Sansome St.)—(*Geology*)

Paulus, Max G. (F)—A. B. 1912—Chemist, Casper, Wyo.—(*Chemistry*)

Pratt, Lyde Stuart—A. B. Bowdoin 1912: Assoc. Prof. Univ. of Va. 1915-17—Chemist, DuPont Co. Wilmington, Del.—(*Chemistry*)

Putnam, Willis S.—S. B. Worcester Polytech. 1889; Prof. Women's Coll. of Del. 1915 16—Instr. Chem. Univ. of Ill. Urbana—(*Chemistry*)

Reeside, John Bernard, Jr. (F)—A. B. 1911—Geologist, Hyattsville, Md.—(*Geology*)

Rogers, Lindsay (F)—A. B. 1912; LL. B. Univ. of Md. 1915; Assoc. Prof. Univ. of Va. 1915 21—Assoc. Prof. Pol. Sci. Columbia—(*Political Science*)

Sehrt, Edward Henry (F)—A. B. 1911; Instr. Delaware Coll. 1915-17; Lectr. Bryn Mawr 1917-18; Prof. Washington Coll. 1918 20—Johnston Scholar —(*German*)

Shields, Emily Ledyard (F)—A. B. Bryn Mawr 1905—Asst. Prof. Latin, Smith Coll. Northampton, Mass.—(*Classical Archaeology*)

Shive, John Wesley (F)—Ph. B. and A. M. Dickinson 1906—Plant Physiologist, Agric. Exper. Sta. New Brunswick, N. J.—(*Plant Physiology*)

Sousley, Clarence Piersall—A. B. Ky. Wesleyan 1909; Instr. Mt. St. Mary's Coll. 1915-16; late Assoc. Prof. Pa. State Coll.—Prof. Math. Rose Polytech. Inst. Terre Haute, Ind.—(*Mathematics*)

Stocking, Ruth Jennings (Mrs. Vernon Lynch) (F)—A. B. Goucher 1910; Prof. Agnes Scott Coll. 1915-17; Asst. Prof. Carnegie Inst. 1917-18; Instr. Sch. of Hygiene 1918-19—Asst. Zool.—(*Zoology*)

Wallis, Benjamin Franklin—A. B. 1910; Instr. Bryn Mawr 1915-16, Lehigh 1916-17—Geologist, Guayaquil, Ecuador—(*Geology*)

Watkins, Charles—A. B. Wash. and Lee 1909; M. S. Vanderbilt 1911—Prof. Chem. Carnegie Inst. Pittsburgh—(*Chemistry*)

Weyforth, William Oswald, Jr.—A. B. 1912; Instr. Western Reserve Univ. 1915-17—Assoc. Prof. Econ.—(*Economics*)

Yokoyama, Tomikichi—Ph. B. Kansas City Univ. 1909; B. D. Westminster (Md.) Theol. Sem. 1910—Bureau of Industry, Keijo, Chosen, Japan—*Political Science*)

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1916

Albright, William Foxwell (F)—A. B. Upper Iowa 1912; Rayner Fellow 1914-17, 1918-20, Instr. Semitic 1916-17, Johnston Scholar 1917-18—Amer. Sch. of Oriental Research, Jerusalem, Syria—(*Assyrian*)

Blocher, John Milton, Jr.—S. B. Pa. Coll. 1913—Prof. Chem. Baldwin-Wallace Coll. Berea, O.—(*Chemistry*)

Brown, William Norman (F)—A. B. 1912; Harrison Research Fellow Univ. of Pa. 1916-19—Johnston Scholar—(*Sanskrit*)

Brown, William Stephen—E. E. Rensselaer Polytech. 1913—Elec. Engr. Pittsburgh (16th and Pike Sts.)—(*Electrical Engineering*)

***Burton, John Marvin** (F)—A. B. Rand.-Macon 1909; Prof. Romance, Millsaps Coll. 1916-18—(*French*)—**Oct.* 5, 1918 (*in France*).

Churchill, Edward Perry (F)—A. B. Iowa Univ. 1907—Asst. Prof. Biol. Univ. of S. Dakota, Vermillion—(*Zoology*)

Connolly, Gerald Charles—A. B. Rock Hill 1912—Chemist, Davison Chem. Co. Bal..—(*Chemistry*)

Dickey, Robert William (F)—Wash. and Lee (S. B. 1910, A. B. 1911): A. M. 1915—Assoc. Prof. Physics, Wash. and Lee, Lexington, Va.—(*Physics*)

Hoxton, Llewellyn Griffith—Univ. of Va. (A. B., B. S., A. M., 1900, now Prof. Physics)—(*Physics*)

Hutchinson, John Foster—S. B. S. C. Mil. Coll. 1913; A. M. Charleston 1914—(*Chemistry*)

Johnson, Buford Jennette—A. B. La Grange (Ga.) 1895; A. M. 1915; Peabody Scholar 1915-16—Assoc. Prof. Psychol.—(*Education*)

Kelly, Caleb Guyer—A. B. 1908—Educational Missionary, Tunis, N. A.—(*History*)

Kimball, John Willard—S. B. Colby 1912; Asst. Chem. Univ. of Me. 1916-18—Chemist, DuPont Co., Arlington, N. J.—(*Chemistry*)

Lilly, Marie Loretto (F)—A. B. Notre Dame (Md.) 1900; A. M. 1914; Instr. Mt. St. Agnes Coll. 1916-17—Instr. Engl. Dominican Coll. San Rafael, Cal.—(*English*)

Loring, Mildred West (F)—Univ. of Washington (A. B. 1912, Fellow 1912-13, A. M. 1913); Sarah Berliner Fellow, 1916 17—Instr. Psychol, Univ. of Minn. Minneapolis—(*Psychology*)

Markel, Paul D—S. B. Pa. Coll. 1913.—Chemist, Port Arthur, Tex.—(*Chemistry*)

McCall, Arthur Gillett—Ohio State (B. Sc. 1900, late Prof. Agronomy)—Prof. Geol. and Soils, Univ. of Md. College Park—(*Plant Physiology*)

Millspaugh, Arthur Chester (F)—A. B. Albion 1908; A. M. Univ. of Ill. 1910; Prof. Whitman Coll. 1916-17; Instr. 1917-18—Dept. of State, Washington—(*Political Science*)

Morimoto, Kokichi—Sapporo Univ. 1901—Asst. Prof. Economics, Imperial Univ. Sapporo, Japan—(*Economics*)

Murnaghan, Francis Dominic—Nat. Univ. of Ireland (A. B. 1913, A. M 1914); Instr. Rice Inst. 1916-18—Assoc. Prof. Applied Math.—(*Mathematics*)

Musselman, John Rogers (F)—A. B. Pa. Coll. 1910; Instr. Math. Univ. of Ill. and Wash. Univ. 1916-20—Associate, Math.—(*Mathematics*)

Myrick, Raymond Thompson (F)—S. B. Earlham 1912—Chemist, Standard Oil Co., Whiting, Ind.—(*Chemistry*)

Ordeman, George Frederick—Wash. and Lee (S. B. 1912, now Assoc. Prof. Chem.) Lexington, Va.—(*Chemistry*)

Owens, Oscar Lee—A. B. Richmond 1898; A. M. 1913—(*Political Science*)

Pardee, Arthur McCay—A. B. Wash. and Jeff. 1907; formerly Prof. Tarkio Coll.; Prof. Wash. and Jefferson 1918-20—Prof. Chem. Univ. of S. Dak. Vermillion—(*Chemistry*)

Rawlins, Charles Henry, Jr. (F)—Ph. B. Dickinson 1910; Instr. Delaware Coll. 1916-18—Instr. Naval Acad. Annapolis—(*Mathematics*)

Reeves, Frank—A. B. West Va. 1911. —U. S. Geol. Survey, Washington—(*Geology*)

Ruth, Thomas DeCoursey (F)—A. B. 1906; Instr. Princeton 1912-15; Lectr. Bryn Mawr 1916-17; Headmaster, St. Paul's School, Balt. 1917-18—Amer. Red Cross, Washington—(*Latin*)

Sachs, John Harrison—S. B. Pa. Coll. 1910—Chemist, DuPont Co. Wilmington, Del.—(*Chemistry*)

Smelser, David Paul, Jr.—A. B. New Windsor 1912—Yonkers, N. Y. (Ford Bldg.)—(*Economics*)

Starck, Adolf Ludwig Taylor (F)—A. B. 1911—Instr. Harvard (983 Charles River Rd., Cambridge)—(*German*)

Steinbach, Reuben (F)—A. B. 1913.—Instr. Rabbinical Sem. N. Y.—(*Hebrew*)

***Stockett, Joseph Noble, Jr.**—A. B. 1911; Instr. Econ. Dartmouth 1916—(*Economics*) **Sept.* 28, 1916.

Van Epps, George Dudley—S. B. Ga. Tech. 1913—Chemist, Port Arthur, Tex.—(*Chemistry*)

Weglein, David Emrich—A. B. 1897; A. M. Columbia 1912; Princ. Western High Sch. 1906-21—Asst. Supt. of Schools, Balt.; Assoc. Education—(*Education*)

Woodring, Wendell Phillips (F)—A. B. Albright 1910—U. S. Geol. Survey, Washington—(*Geology*)

Wroth, Benjamin Blackiston—A. B. Wash. (Md.) 1908; Instr. Ga. Tech. 1916 18; Acting Head, Dept. of Chem. Earlham Coll. 1918 19—Asst. Prof. Ga. Sch. of Tech. Atlanta, Ga.—(*Chemistry*)

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1917

Bramble, Charles Clinton (F)—Ph. B. Dickinson 1912—Instr. Math. Naval Acad. Annapolis—(*Mathematics*)

Branham, Grace Bagnall—A. B. Bryn Mawr 1910; A. M. 1916—Colwich, England—(*English*)

Campion, John Leo—A. M. Columbia 1912; Johnston Scholar 1914-15; Instr. German, Univ. of N. C. 1916-18—(*Germanic Philology*)

Child, John Allan—A. B. Harvard 1899—Instr. Romance Lang. Univ. of Chicago—(*Italian*). [*Degree conferred Nov.* 6, 1917)

Cox, Leslie Cornelius—A. B. Toronto 1913; Rogers Fellow 1914-17—Asst. Prof. Classics, Hamline Univ. St. Paul, Minn.—(*Latin*)

Dotterer, Ray Harbaugh—Ph. B. Franklin and Marshall 1906; A. M. 1916—Clergyman, State College, Pa.—(*Philosophy*)

Emmet, Boris—A. B. Wisconsin 1913—Labor Manager, Schloss Bros. & Co. Balt.—(*Economics*)

Faber, Edgar McCreary—A. B. Pa. Coll. 1914—Chemist, DuPont Co. Wilmington, Del.—(*Chemistry*)

Fox, Early Lee—A. B. Randolph-Macon 1909; A. M. 1914—Prof. History, Randolph-Macon College, Ashland, Va.—(*History*)

Freas, Raymond—A. B. Wittenberg 1906; Instr. Chem. Univ. of Va. 1917-18—Instr. Tulane Univ., New Orleans—(*Chemistry*)

Free, Edward Elway—A. B. Cornell 1906—Coastal Lab. Carmel, Cal.—(*Plant Physiology*)

Gordon, Neil Elbridge—Ph. B. Syracuse 1911; Asst. Prof. Goucher Coll. Balt. 1917-19—Prof. Physical Chem. Univ. of Md. College Park—(*Chemistry*)

Hastings, Walter Scott—A. B. Princeton 1910; Instr. French 1916-17—Instr. French, Princeton—(*French*)

Havens, George Remington (F)—A. B. Amherst 1913, Instr. Indiana Univ. 1917-18—Asst. Prof. Ohio State Univ. Columbus—(*French*)

Hildebrandt, Frank Merrill—A. B. 1913—Research Fellow, Mellon Inst. Pittsburgh, Pa.—(*Plant Physiology*)

Hobbs, Allan Wilson—A. B. Guilford 1907, Haverford 1908—Instr. Math. Univ. of N. C. Chapel Hill—(*Mathematics*)

Holtzclaw, Henry Fuller—A. B. Arkansas Univ. 1913—Instr. A. & M. Coll. Stillwater, Okla.—(*Economics*)

Howell, Roger (F)—A. B. 1914—Atty. at Law, Balt. (1403 Fidelity Bldg.)—(*Political Science*)

Johnson, Elizabeth Friench—A. B. Goucher 1911; A. M., 1916—Instr. German, Sweet Briar Coll. Sweet Briar, Va.—(*German Literature*)

Johnson, Harry Isaac—A. B. Roanoke 1912—Prof. Chem. Roanoke Coll. Salem, Va.—(*Chemistry*)

Johnston, Earl Steinford—Ph. B. Dickinson 1913—Assoc. Prof. Plant Physiol. Univ. of Md. College Park—(*Plant Physiology*)

Kanton, Ethel Dorothea—A. B. Goucher 1911; A. M., 1913—Instr. State Normal. Coll. Greensboro, N. C.—(*English*)

Lauchheimer, Malcolm Horace—A. B. 1914—Atty. at Law, Balt.—(207 N. Calvert St.)—(*Political Science*)

Lyons, Edward—S. B. Washington and Lee 1912—Chemist, Picatinny Arsenal, Dover, N. J.—(*Chemistry*)

***McCobb, Arthur Lewis**—A.B. Bowdoin 1905; A. M., Harvard 1910; Instr. German, Mass. Inst. of Tech. 1917-18.—(*Germanic Philology*)—**January* 30. 1921.

Meggers, William Frederick—A. B. Ripon 1910; A. M. Wisconsin 1916—Physicist, Bureau of Standards, Washington—(*Physics*)

Minter, Clarke Cothran—S. B. Davidson 1913 — Hanovia Chem. Co. Newark, N. J.—(*Chemistry*). [*Degree conferred Feb.* 22, 1917]

Mohler, Fred Loomis—A. B. Dickinson 1914; A. M. 1916—Physicist, Bureau of Standards, Washington—(*Physics*)

Rabinowitz, Elias N.—A. B. Haverford 1903; Rayner Fellow 1913-14—Staff, Hawthorne Reformatory, New York City—(*Hebrew*). [*Degree conferred Feb.* 22, 1917.]

Robinson, Edna Moore (F) — A. B. Chicago 1907—Prof. English, Whitworth Coll., Spokane, Wash.—(*English*)

Robinson, Jesse Squibb—A. B. Allegheny 1911; late Prof. Simpson Coll. —Prof. Econ. Carleton Coll. Northfield, Minn.—(*Economics*)

Rogers, Thomas Hunton—A. B. Centre 1914—DuPont Co., Wilmington, Del. —(*Chemistry*)

Root, Francis Metcalf (F)—A. B. Oberlin 1911; Bruce Fellow 1915-17—Assoc. Protozoology, Sch. of Hygiene—(*Zoölogy*)

Schaffer, Aaron (F)—A. B. 1914, Asst. 1916 19—Instr. French, Univ. of Texas, Austin—(*German Literature*)

Sease, Virgil Bernard (F)—A. B. Newberry 1909—Chemist, Parlin, N. J.— —(*Chemistry*)

Simpson, Kemper— A. B. 1914—Bureau of Markets, Dept. of Agric. Washington—(*Economics*)

Thom, William Taylor, Jr. (F)—S. B. Wash. and Lee 1913—U. S. Geol. Survey, Washington—(*Geology*)

Tottingham, William Edward—S. B. Mass. Agric. 1903; M. S. Wisconsin 1908—Asst. Prof. Agric. Chem. Univ. of Wis. Madison—(*Plant Physiology*)

Trelease, Sam Farlow—A. B. Washington Univ. 1914; Univ. of Philippines 1918-20—Instr. Plant Physiol.—(*Plant Physiology*)

Voss, Vivian—Transvaal Univ. Coll. (A. B. 1913, now Lecturer); A. M. 1916 —Pretoria, S. Africa—(*Physics*)

Wade, Bruce—S. B. Vanderbilt 1913— Geologist, Tampico, Mex.—(*Geology*)

Warren, Howard Crosby—A. B. Princeton 1899 — Stuart Prof. Psychol. Princeton—(*Psychology*)

Whiteford, Gilbert Hayes—S. B. Md. Agric. 1897; A. M. Columbia 1912— Instr. Chem. Colo. Agric. Coll. Ft. Collins—(*Chemistry*)

Williams, Ralph Coplestone — A. B. 1908—Instr. & Asst. Prof. Ohio State Univ. 1918-21 — Assoc. French — (*French*)

Wilson, Lucy (F)—A. B. Wellesley 1909—Assoc. Prof. Physics, Wellesley, Mass.—(*Physics*)

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1918

Bagby, English—A. B. Princeton 1918— Asst. Prof. Va. Mil. Inst. 1919-20— Instr. Psychol. Yale, New Haven, Ct.— (*Psychology*)

Bloomhardt, Paul Frederick (F)—A. B. Pa. Coll. 1909; Gettysburg Theol. Sem. 1912—Clergyman, Buffalo, N. Y. (1080 Main St.)—(*Hebrew*)— [*Degree conferred Feb.* 22, 1918]

Cohen, Teresa (F)—A. B. Goucher 1912; A. M. 1915; Alice Freeman Palmer Fellow 1918-19—Instr. Math. State Coll. Pa.—(*Mathematics*)

Dorsey, George Edwin (F)—A. B. 1914 —Geologist, Tulsa, Okla. (215 W. 12th St.)—(*Geology*)

Fawcett, Howard Samuel—B. S. Iowa State Coll. 1905; M. S. Fla. Univ. 1908; Johnston Scholar, 1916-17— Assoc. Prof. Plant Physiol. Univ. of Cal., Riverside—(*Plant Physiology*)

Helm, Emerson Bennette—B. S. Fla. Univ. 1915—Chemist, Cleveland, O. (1133 E. 71st St.)—(*Chemistry*)

***Lynch, Vernon**—A. B. 1914, Asst. Physiol. 1916-18—(*Physiology*)—**July* 25, 1918—[*Degree conferred Feb.* 22, 1918]

Mitchell, John Broadus (F)—A. B. S. C. Univ. 1913—Assoc. Pol. Econ.— (*Economics*)—[*Degree conferred Feb.* 22, 1918]

Taliaferro, William Hay—B. S. Va. 1915; Bruce Fellow 1917-18; Assoc. Protozoology, School of Hygiene— (*Zoölogy*)

Tansill, Charles Callan—Catholic Univ. of Amer. (A. B. 1912, A. M. 1913, Ph. D. 1915)—Carnegie Inst. for Hist. Research, Washington—(*History*)

Thalheimer, Alvin—A. B. Harvard 1914; Instr. 1919-20—Balt. (2 Queen Anne Rd.)—(*Philosophy*)

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1919

Burka, Samuel Moses—A. B. 1913, A. M. 1916—Physicist, McCook Aviation Field, Dayton, O.—(*Physics*)

Carter, James Treat—A. B. Oberlin 1914 —Atty. at Law, Balt. (302 Morris Bldg.)—(*Political Sci.*)

Dryden, Hugh Latimer (F) — A. B. 1916, A. M. 1918—Asst. Physicist, Bureau of Standards, Washington— —(*Physics*)

Espino, Rafael B.—B. Agric. University of the Philippines, 1915—Asst. Prof. Agronomy, Univ. of Philippines, Manila—(*Plant Physiol.*)

Frehafer, Mabel Katherine—A. B. Bryn Mawr 1908, A. M. Wisconsin 1909 — Bureau of Standards, Washington — (*Physics*)

Harn, Edith Muriel (F)—A. B. Goucher 1915 — Prof. Mod. Lang. Winston-Salem Coll. N. C.—(*German Literature*)

Insley, Herbert (F)—S. B. Hamilton College 1914—Bureau of Mines, Pittsburgh—(*Geology*)

Kennedy, Cornelia—A. B. University of Minnesota, 1913; M. S. University of Wisconsin 1916—Univ. Farm, St. Paul. Minn.—(*Bio-Chemistry*)

Sears, Julian Ducker (F)—A. B. 1913—U. S. Geol. Survey, Washington—(*Geology*)

Strickler, Robert Parvin (F)—A. B. West Va. Univ. 1907; Rhodes Scholar, Oxford 1907-10; Instr. Greek, 1919-20—Kingwood, W. Va.—(*Greek*)

Strube, Claire M. M. (F)—A. B. Goucher College 1916—Balt. (2700 N. Calvert St.)—(*German Literature*)

Wanlass, William Lawrence (F)—A. B. Geo. Washington University, 1915 and A. M. 1916; Prof. Union Coll. 1919-20—Prof. Utah Agric. Coll. Logan—(*Political Science*)

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1920

Baker, Lawrence Henry (F)—A. B. 1917; Instr. Greek—(*Greek*)

Bell, Frederick Keller—A. B. 1916—Asst. Pharmacol.—(*Chemistry*)

Cannon, Harry Sharp (F)—A. B. Univ. of Ky. 1909—Instr. German, Univ. of Minn. Minneapolis—(*German Lit.*)

Carver, David June—A. B. Richmond Coll. 1905; Instr. Goucher 1915-16; Research Asst. 1919-20—Balt. (411 N. Charles St.)—(*Psychology*)

Coffin, Harrison, Cadwallader—A. B. 1916, A. M. 1918, Rogers Fellow 1919-20—Instr. Union Coll. Schenectady, N. Y.—(*Latin*)

Connet, Helene (Mrs. D. W. Wilson)—A. B. Goucher 1915; Asst. Instr. Sch. of Hygiene 1918-20—(*Physiology*)

Dulac, Victor—A. B. George Washington 1915; A. M. 1918—Instr. Romance Lang. Coll. of Notre Dame, Balt.—(*French*)

Fell, Edgar Tremlett—A. B. St. John's 1913—Shipping Board, Washington—(*Political Science*)

Helfrich, Oregon Benson (F)—A. B. 1916—Chemist, Arlington, N. J.—(*Chemistry*)—(*February* 23)

Holmes, Edward Otis, Jr.—A. B. Harvard 1914—Instr. Chem. Boston Univ. Mass.—(*Chemistry*)

Hopkins, Hoyt Stilson—A. B. Oberlin 1914; Bruce Fellow 1917-18, 1919-20; Asst. Physiol. 1920-21—(*Zoology*)

Judefind, William Lee—A. B. West. Md. 1915—Davison Chem. Co. Balt.—(*Chemistry*)—(*February* 23)

Koontz, Louis Knott—A. B. Wash and Lee 1908; A. M. 1914; Dean and Prof. Davis and Elkins 1914-17—Development Specialist in Gen. Educ. U. S. A. Manila, P. I.—(*History*)

Kramer, Richard Lee—A. B. Wabash 1913—DuPont Co. Wilmington, Del.—(*Chemistry*)—(*February* 23)

Lanning, Charles Edward—A. B. Earlham 1916; DuPont Fellow, 1919-20—Chemist, Richmond, Va. (223 N. 7th St.)—(*Chemistry*)

Lee, Frederic Collins—A. B. 1912; A. M. Wisconsin 1917—Consulting Chemist, Balt (113 E. Franklin St.)—(*Chemistry*)

Lee, Frederick William—M. E. and E. E. Cornell 1911; Asst. Harvard 1911-13—Assoc. Elec. Eng.—(*Elec. Engineering*)

Lotz, Paul Lange—B. S. Pa. Coll. 1915—Chemist, Standard Oil Co. New York—(*Chemistry*)

Mackall, Colin Mackenzie (F)—A. B. Va. 1909 and B. S. 1910; M. S. Geo. Washington 1913—Student in France.—(*Chemistry*)

McGavack, John, Jr. (F)—A. B. Hampden-Sidney 1913; Research Asst. 1919-20—Chemist, U. S. Rubber Co. N. Y.—(*Chemistry*)—(*February* 23)

Miller, George Edgar—B. S. Pa. 1914—Chemist, Edgewood Arsenal, Md.—(*Chemistry*)

Mirza, Youel Benjamin—A. M. 1914—Washington (1738 Church St.)—(*Political Science*)

Norcross, Wilbur Harrington (F)—A. B. Dickinson 1907—Assoc. Prof. Philos. and Education, Dickinson Coll. Carlisle, Pa.—(*Psychology*)

Noyes, Bessie—A. B. Nebraska 1911—Instr. Zool. Whitworth Coll. Spokane, Wash.—(*Zoology*)

Piggot, Charles Snowden—A. B. Univ. of South 1914; DuPont Fellow 1919-20—Chemist, U. S. Industrial Alcohol Co. Balt.—(*Chemistry*)

Reyerson, Lloyd Hilton—A. B. Carleton 1915; A. M. Illinois Univ. 1917—Instr. Chem. Univ. of Minn. Minneapolis—(*Chemistry*)

Richardson, Dorsey—A. B. 1915, A. M. 1918—State Dept. Washington—(*Political Sci.*)

Seifriz, Wiliam Ernest (F)—B. S. 1916, Bruce Fellow 1918-19—Student in Europe—(*Botany*)

Sturdevant, Winifred (F)—A. B. Bryn Mawr 1911—Instr. Roland Pk. Country Sch. Balt.—(*French*)

Whitner, Thomas Cobb, Jr.—B. S. Ga. Tech. 1916—Instr. Chem.—(*Chemistry*)

Williams, Bruce Stockton (F)—S. B. Va. Polytech. 1912—Asst. Prof. Polit. Sci. Univ. of Va.—(*Political Sci.*)

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1921

Bahlke, William Herbert—S. B. Richmond 1916—Chemist, N. J. Zinc Co., Palmerton, Pa.—(*Chemistry*)

Bau, Mingchien Joshua — Yale (A. B. 1918, B. D. 1920); A. M. Columbia 1919—Washington (542 Munsey Bldg.) —(*Political Science*)

Beck, Edith Adelaide—A. B. Goucher 1904; A. M. Columbia 1917—Punxsutawney, Pa.—(*Latin*)

Behrens, Kathryn Laura—A. B. Goucher 1917; A. M. 1919—Balt. (3703 Piedmont Av.)—(*History*)

Breit, Gregory — A. B. 1918, A. M. 1920—Fellow, Nat. Research Council, Leyden, Holland—(*Physics*)

Bernhardt, Joshua — A. B. Rochester 1916—Inst. of Govt. Research, Washington—(*Economics*)—[*February* 22]

Castleman, Robert Allen, Jr. — A. B. Geo. Washington 1915; A. M. 1917—Salt Lake City, Utah (412 McCormick Bldg.)—(*Physics*)

***Cross, Howard Benjamin**—A. B. Oklahoma 1915; Asst. Bacteriol. 1920-21 —Internat. Health Board, Vera Cruz, 1921—(*Bacteriology*)—**Dec.* 27, 1921.

Edwards, John Graham—A. B. and A. M. Virginia 1915—Asst. Zool.—(*Zoology*)

Gammon, Samuel Rhea, Jr. — A. B. Wash. & Lee 1911—Prof. Hist. etc., Austin Coll., Sherman, Tex.—(*History*)

Kugelmass, Isaac Newton—B. S. N. Y. City Coll. 1916; A. M. Columbia 1917 —Student in Europe—(*Chemistry*)

Johnson, Franklin Plotinos—A. B. Missouri 1914—Vogeler Fellow 1920-21—Fellow, Amer. Sch. of Class. Studies, Athens, Greece—(*Class. Archaeology*)

Jones, David Charles — B. Sc. Univ. Coll. of N. Wales 1906—Shrewsbury, England—(*Chemistry*)—[*February* 22]

King, John Fitch—A. B. Oberlin 1917; Asst. Chem. 1920-21—Asst. Prof. Chem. Williams Coll. Williamstown, Mass.—(*Chemistry*)—[*February* 22]

Klosky, Simon—A. B. Mt. St. Mary's 1914—Chemist, Edgewood Arsenal, Md.—(*Chemistry*)—[*February* 22]

Linton, William Lloyd—B. S. West Va. 1915—Chemist, Brooklyn, N. Y. (450 Greene Av.)—(*Chemistry*)—[*January* 4]

Litz, Francis Aloysius—A. B. St. Mary's (Balt.) 1912—Instr. English—(*English*)

Merritt, Elizabeth — A. B. Goucher 1911; A. M. Smith 1914—Balt. (3402 W. North Av.)—(*History*)

Neuhausen, Benjamin Simon — A. B. 1918—Asst. Physiol.—(*Chemistry*)

Norton, Ruth (Mrs. W. F. Albright)— A. B. Lake Erie 1914; A. M. Wisconsin 1915—Amer. Sch. of Orient. Resch. Jerusalem—(*Sanskrit*)

Parker, Hugh Klemme—A. B. Upper Iowa 1916—Chemist, Newark, N. J. (735 Light St.)—(*Chemistry*)

Powdermaker, Florence — S. B. Pa. State 1915—Instr. State Coll. New Brunswick, N. J.—(*Physiol. Chemistry*)—[*February* 22]

Ragland, George — A. B. Richmond 1896—Prof. Georgetown Coll., Ky.—(*Greek*)

Richter, Curt Paul — B. S. Harvard 1917—Asst. Psycho-Biol.—(*Psychology*)

Schwitalla, Alphonse M. — A. B. St. Louis Univ. 1906—Instr. St. Louis Univ. St. Louis, Mo.—(*Zoology*)

Sharp, James Edwin—B. S. Arkansas 1917; Asst. Chem. 1920-21—Grafflin Scholar—(*Chemistry*)

Smead, Jane Van Ness—A. B. Paris 1910; A. M. 1918—Instr. Wells Coll. Aurora, N. Y.—(*French*)

Spieker, Edmund Maute—A. B. 1916— U. S. Geol. Survey, Washington—(*Geology*)

Sutton, Flora Dobler—A. B. Goucher 1912—Balt. (1735 Bolton St.) —(*Mathematics*)

Tuckerman, Louis Bryant—A. B. Western Reserve 1901—Bureau of Standards, Washington—(*Physics*) — [*February* 22]

Van der Lingen, Jan Stephanus—A. B. Univ. of Stellenbosch 1911; Lectr. Univ. of Cape Town 1914-20; Johnston Scholar 1920 21—Lectr. Bio-Physics—(*Physics*)

Van Dusen, Milton Sheldon—B. S. Syracuse 1913 — Bureau of Standards, Washington—(*Physics*)

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1922

English, William Smith, Jr.—B. S. in Ch. Eng. Univ. of Pa. 1918—Paulsboro, N. J.—(*Chemistry*)—[*February* 22]

Gericke, William Frederick—S. B. Iowa State Coll. 1912; M. S. California 1915—Asst. Prof. Soil Chem. Univ. of Cal. Berkeley—(*Plant Physiology*)—[*February* 7]

Hoke, Roy Edward — A. B. Franklin & Marshall 1916 — Prof. Education, Birmingham Southern Coll. Birmingham, Ala.—(*Education*)—[*February* 7]

Mattern, Johannes—Asst. Librarian— (*Political Science*)—[*February* 22]

Opdycke, Lawrence Hall—B. S. Rutgers 1913; A. M. Columbia 1916—Prof. Physical Chem. Coll. City of New York—(*Chemistry*)—[*February* 22]

Thach, Charles Coleman, Jr. — S. B. Ala. Polytech. 1912—Asst. Hist. and Pol. Sci.—(*History*)—[*February*, 22]

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Doctor of Medicine

1914

Batten, Grover A.—A. B. Washington and Lee 1908—Physician, Honolulu, T. H.

Bayne-Jones, Stanhope—A.B. Yale 1910; Rockefeller Fellow and Asst. Res. Path. 1915 16; A. M. 1917—Assoc. Prof. Bacteriol.

Belt, Mabel—A. B. Goucher 1910—Physician, Balt. (Arundel Apts.)

Bettman, Ralph Boerne—A. B. Williams 1901; Fellow Mayo Clinic, Rochester, Minn. 1917 1918—Physician, Chicago, Ill.

Boehm, Louis Benjamin—S. B. St. Louis Univ. 1910—St. Louis (715 N. 8th St.)

Bogle, Kate Breckenridge (Mrs. S. R. Karpeles)—A. B. Goucher 1909—Physician, Washington (1119 Columbia Rd.)

du Bray, Ernest Speers—A. B. Cincinnati 1910—Asst. Med. Univ. of Cal.; Physician, San Francisco.

Brush, Nathaniel Hawley—A. B. 1909—Physician, Santa Barbara, Cal.

Carroll, Francis Patrick—S. B. Trinity (Conn.) 1911—City Physician, Bridgeport, Conn.

Carter, David Wendel, Jr.—A. B. Southwestern 1909.—Assoc. Prof. Med. Baylor Univ. Dallas, Tex.

Child, Dorothy—A. B. Bryn Mawr 1910; Lectr. Univ. of Kans. 1916 17—Physician, Germantown, Pa.

Clark, Mildred (Mrs. P. W. Clough)—A. B. Wellesley 1910—Physician, Balt. (24 E. Eager St.)

Colwell, Howard Spencer—S. B. Colgate 1910—Physician, Yale Univ. New Haven.

Connor, Charles Edward—A. B. Indiana 1910—Physician, St. Paul, Minn.

Crawford, Robert Hope—S. B. Davidson 1910—Physician, Rutherford, N. C.

Davis, Isaac—A. B. Harvard 1910—Physician, Pittsburgh (2035 Centre Av.)

Dodson, Ralph Moore—A. B. Oregon 1910.—Instr. Univ. of Ore.; Physician, Portland.

Donaldson, John Calvert—Ph. B. Yale 1910—Asst. Prof. Anat. Univ. of Pittsburgh.

Dornblaser, Harry Bright—A. B. Wittenberg 1907—Physician, Minneapolis, (Besse Bldg.)

Downs, Chester Arthur—A. B. Oregon 1910—Physician, Salem, Ore.

Ducasse, Edmond Frederic—A. B. Washington 1910—Physician, Paris, France (7 Rue Lauriston)

Duffy, William Core—A. B. Wake Forest 1910; Asst. Pathol. 1915 16; Asst. Res. Surg. 1916 18—Instr. Surg. Yale Univ. New Haven.

Duncan, John Baxter—A. B. Mercer 1910—Physician, Elyria, Ohio.

Dunn, George R.—Ph. B. Hamline 1910; —Instr. Univ. of Minn. Minneapolis.

Eaton, Avis Chippewa—A. B. Wellesley 1909—Physician, San Francisco (766 Sutter St.)

Emrick, Marion W.—Ph. B. Franklin and Marshall 1910—Asst. Roentgenologist, Harrisburg Hosp. and Physician, Harrisburg, Pa.

Englar, Thomas Shepherd—A. B. Western Maryland 1910—Phys. Medford, Md.

Evans, Frank Alexander—A. B. Washington and Jefferson 1910—

Fansler, Walter A.—A. B. Missouri 1911; Instr. Marquette Univ. 1914-15—Instr. Surg. U. of Minn.; Phys. Minneapolis.

Fechtig, Allen Garthwright—A. B. Univ. of South 1910—Interne, Polyclinic Hosp. N. Y.

***Fergusson, James Grant**—A. B. Stanford 1908—Interne, Roosevelt Hosp. N. Y.—**In action (in France), July 14, 1916.*

Fleming, LeRoy Newton—A. B. Miami 1910; Asst. Surg. 1914 15; Asst. Physiol. Harvard—Physician, Detroit (329 Hamilton Av.)

Flexner, Morris—A. B. Michigan 1910—R. H. O. 1914-15—Physician, Louisville, Ky. (902 Francis Bldg.)

Frazee, Mary Louise (Mrs. J. L. Tower)—A. B. Goucher 1908—Belleville, Canada.

Gardner, Harold Bearce—S. B. Grinnell 1910—Physician, Pittsburgh, Pa.

Grave, Floyd—S. B. Carlton 1908—Physician, Minneapolis.

Hagan, Hugh Johnson—A. B. Washington and Lee 1910—Physician, Roanoke, Va.

Hain, Raymond Fisher—S. B. Bucknell 1910—Physician, Burnville, Pa.

Hall, Raymond Confer—S. B. Wesleyan 1909—Phys. Anaconda, Mont.

Hampton, Henry Hunton—S. B. Tennessee 1903; Instr. Gynecol. 1918-19—Physician, Chattanooga, Tenn. (623 Volunteer Bldg.)

Harrell, Bryant Eugene—A. B. Randolph-Macon 1907—Physician, Norfolk, Va.

***Haupt, Walter Clark**—Ph. D. 1908—Asst. Phys. Butler Hosp. Providence, R. I. 1914-15; Asst. Neurol. Inst. of N. Y. 1915-16.—**June* 3, 1917.

Hodge, Mary Ashmun—A. B. Stanford 1903—Instr. in Clin. Med.; Dispensary Physician.

Hooper, Charles Warren—A. B. Kansas 1911; Asst. Prof. Resch. Med. Hooper Fndn. Univ. of Cal. 1914-16—Dir. Exper. Med. H. A. Metz Lab. N. Y.

Huffman, Lyman Foster—S. B. Ohio Wesleyan 1910—Physician, Cleveland (902 Rose Bldg.)

Hutchison, James Elder—A. B. Ohio State 1909—Physician, Hartford, Conn. (36 Pearl St.)

Ingraham, Ruth—A. B. Vassar 1907—Roentgenologist, Brooklyn Hosp. N. Y.

Jack, William David—A. B. Creighton 1908—Physician, Chicago (1858 S. Western Av.)

Jones, Walter Falke—A. B. Hamilton 1908—Physician, N. Y. (885 Park Av.)

Keister, William Shirey—A. B. Roanoke 1907—Health Officer, Ala. State Bd. Montgomery.

Kelly, Claude Currie—S. B. Davidson 1909—Physician, Hartford, Conn. (179 Allyn St.)

Ketcham, Clarence Searle—B. L. Rutgers 1910.

King, John Theodore, Jr.—A. B. Princeton 1910—Instr. in Clin. Med.; Physician, Balt.

***Krake, Leigh Seward**—A. B. Nebraska 1907—**July* 9, 1914.

McGill, Caroline—Missouri (A. B. 1904; Ph. D. 1908)—Pathologist, Murray Hosp. Butte, Mont.

Martin, Floyd August—Missouri (A. B. 1911, Instr. 1914 15)—Lab. Diag. Detroit Clin. Lab.

Marvel, Norman Clyde—A. B. 1910—Physician, Balt. (3311 Abell Av.)

Meyer, Jerome—S. B. Alabama 1908—Pediatrician, Tenn. Coal & Iron Co. Birmingham, Ala.

Mosiman, Roscoe E.—S. B. Huron 1910—Physician, Seattle, Wash. (1213 E. 63d St.)

Moyle, Robert Davies—A. B. McMaster 1908—Asst. Supt. Queen Alex. San. London, Canada.

Ormond, John Kelso—A. B. Princeton 1906—Asst. Surg. Ford Hosp. Detroit.

Plumer, John Shaffer—S. B. Pittsburgh 1909—Phys. Emsworth, Pa. (24 Plumer Av.)

Redelings, Leslie Hall—S. B. Northwestern 1909—Phys. San Diego, Cal.

Reichard, John Davis—A. B. Trinity (Conn.) 1910—Passed Asst. Surg. U. S. P. H. S. Ft. McHenry, Balt.

Reinhard, Ferdinand Oscar Wolfgang—A. B. 1908—Physician, Balt. (1400 Linden Av.)

Robinson, Aaron—A. B. 1910—Asst. Surg. U. S. N. Washington.

Rockwood, Ethel May—S. B. Simmons 1909—Physician, Worcester, Mass. (61 Pearl St.)

Rothholz, Alma Sophia—A. B. Smith 1910—Asst. in Med. 1915 16—Physician, Balt. (2108 Bolton St.)

Saltzstein, Harry—Ph. B. Yale 1910—Physn. Detroit (2407 Woodward Av.)

Sewell, John Holt—E. E. Texas 1908—Physician, Ft. Worth, Tex.

Shaffer, Floyd Elmer—A. B. Lebanon Valley 1910—Surg. Bethlehem Steel Co. Sparrow's Pt. Md.

Sherrick, Joseph Leslie—A. B. Monmouth 1908; A. M. Yale 1910—Physician, Monmouth, Ill.

Sherry, Leroy Briggs—A. B. Illinois 1910—Physn. Pasadena, Calif.

Silvester, Richard Lee—S. B. Md. Agric. 1909—Asst. Surg. U. S. N. Washington.

Stubbs, Landon Elwood—A. B. Randolph-Macon 1910—Physician, Newport News, Va.

Szymanski (Schmitt), John Joseph—A. B. St. John's (Brooklyn) 1910; D. P. H. 1921—State Bd. of Health, Topeka, Kans.

***Taylor, Herbert Douglas**—A. B. St. John's 1910; Prof. Bacteriol. and Pathol. Wake Forest Coll. 1914-15; Assoc. Path. and Bact. Rockefeller Inst. N. Y.; 1st Lieut. M. C.—**Oct.* 8, 1918.

Utzinger, Otto E.—A. B. Stanford 1910—Surgeon, Ray, Ariz.

Vanneman, Joseph Stephens—Ph. B. Dickinson 1910—Physn. Princeton, N. J.

Van Valzah, Laurie—A. B. Oregon 1910—Ft. Monroe, Va.

Venable, John Manning—A. B. North Carolina 1910—Surg. San Antonio, Tex.

Webb, Joseph—A. B. Wittenberg 1910—Physician, Stanford Univ. Cal.

Webb, Roscoe Clayton—A. B. Minnesota 1911—Instr. Surg. Univ. of Minn.; Physician, Minneapolis.

Webster, Jerome Pierce—A. B. Trinity (Conn.) 1910—Res. Surg. Peking Union Med. Coll. China.

Wilson, Harry Eugene—A. B. St. John's 1910—Phys. Balt. (836 Park Av.)

Wolff, Sylvain Beer—S. B. La. State 1910—Physician, Opelousas, La.

Wood, Evans Beauchamp—S. B. Ala. Polytech. 1907; Prof. Emory Univ. 1914 20—Physician, Atlanta, Ga. (505 Candler Bldg.)

Woods, Alan Churchill—A. B. 1910—Instr. Clin. Ophthalmol.; Physn. Balt. (842 Park Av.)

Wynne, Herbert Maxwell Nash—S. B. Bethany 1906; Res. Gynecol. & Instr. 1915 18 — Instr. Obstet. Univ. of Minn.; Physician, Minneapolis.

Zadek, Isadore—S. B. Ala. Polytech. 1910—Physician, New York.

Smith, John Frederick—A. B. Lake Forest 1907—Interne, Bellevue Hosp. N. Y.—[*Degree conferred Feb.* 22, 1915.]

Class Secretary — John T. King, Jr., 1425 Eutaw Pl.

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1915

Adair, Frank Earl—A. B. Marietta 1910—Surg. New York (70 E. 77th St.)

Andrew, Harvey Montreville—S. B. Waynesburg 1911—Physician, Hartford, Conn.

Armstrong, Charles—S. B. Mt. Union 1910—Asst. Surg. U. S. P. H. S. Columbus, O.

Atchley, Dana Winslow—S. B. Chicago 1911—Instr. Med. and Asst. Physn. 1919 21—Asst. Attend. Physn. Presby. Hosp. N. Y.

Aull, John—A. B. Virginia 1911—Physician, Kansas City (900 Rialto Bldg.)

Bacon, Arthur Maynard—A.B. West. Md. 1911.

Baldwin, John Cook—S. B. Hamilton 1910 — Asst. Disp. Ped.; Physician, Balt. (Professional Bldg.)

Batchelor, Marjorie Dietz—A. B. Wellesley 1907; Instr. Med. 1915 18—Phys. in Chief, Palmerton Hosp. Pa.

Batchelor, Roger Putnam—A. B. Wisconsin 1911; Instr. & Asst. Res. Surg. 1915-18—Surg. in chief, Palmerton Hosp. Pa.

Bates, Harold Edwards—A. B. Oregon 1920—Physician, London Hosp. Eng.

Bean, Leo Chapman—Ph. B. Ohio Univ. 1911; Asst. and Instr. Wash. Univ. 1917-1919.

Belden, Louis de Keyser—S. B. North Carolina 1910—Wilmington, N. C. (116 S. 4th St.)

Braunlich, George—Ph. B. Chicago 1910—Phys. Davenport, Iowa.

Burket, Walter C.—S. B. Chicago 1911; A. B. Baker 1912—Asst. Res. Surg. 1916-17—Att. Surg. Children's Mem. Hosp. Chicago.

Christopher, Frederick—S. B. Northwestern 1911—Physn. Chicago, Ill. (2622 Lakeview Av.)

***Clark, Admont Halsey**—A. B. Oberlin 1910; Instr. Assoc. Assoc. Prof. Pathol. 1915-18—**Oct.* 13, 1918.

Clarke, Jefferson Hamer, Jr.—A. B. Haverford 1911 — Interne, Samaritan Hosp.; Instr. Med. Temple Univ. Philadelphia.

Clausen, Samuel Wolcott—A. B. Williams 1910—Asst. Med. 1916-17—Assoc. Ped. Wash. Univ. St. Louis.

Clough, Harry Duffield—A. B. Brown 1908—Prof. Univ. of Rochester; Physician, Rochester, N. Y.

Crawford, Rena—Ph. B. Chicago 1903; A. M. Columbia 1910—Physician, New Orleans, La.

Cunningham, Robert Sydney—S. B. and A. M. Davison 1911—Assoc. Anat.

Dayton, Arthur Bliss—Ph. B. Yale 1911; Fellow, Pathol. 1915 16—Instr. Yale; Res. Phys. New Haven.

Delatour, Beeckman J.—S. B. Amherst 1911—Physician, Brooklyn, N. Y.

Derr, Woods Frederick—A. B. Bucknell 1911—Physician, Renovo, Pa.

Doherty, Drayton Howard—A. B. Howard 1910—Physician, Selma, Ala.

Elmendorf, DuMont F.—A. B Rutgers 1911—Army Med. Sch. Washington.

Fallas, Roy Edwin—A. B. Stanford 1911; —Phys. Los Angeles, Cal.

Faust, Otto Alois—Ph. D. Union 1911—Physician, Albany, N. Y.

Gasser, Herbert Spencer — Wisconsin (A. B. 1910, Instr. 1915-16) — Prof. Pharmacol. Wash. Univ. St. Louis.

von Glahn, William Carson — S. B. Davidson 1911—Asst. Pathol. Columbia Univ. N. Y.

Glass, Samuel James, Jr.—S. B. Pittsburgh 1911—Surg. Univ. of Pittsburgh.

Gober, William Mayes—A. B. Georgia 1909—Newark, N. J.

Goddard, Calvin Hooker—A. B. 1911—Asst. Dir. J. H. Hosp.

Griffith, Lewie Muller—S. B. South Carolina 1908—Surgeon, Asheville, N. C.

Griffith, Roy—S. B. Georgia 1911—Physician, Newark, N. J. (451 Prospect Av.)

Haden, Russell Landram—A. B. Virginia 1910—Ford Hosp. Detroit.

Happ, William Morris—A. B. Georgia 1911; Instr. Ped. 1920-21—Europe.

Heddens, Vernon Offutt—A. B. Missouri 1910—Physician, New York.

Houck, Frank M.—Ph. B. Dickinson 1910—Supt. Cragmor Sanatorium, Colo. Spgs. Colo.

Irwin, Stewart Vernon—S. B. California 1911—Physician, Oakland, Cal.

Joseph, Morris—S. B. New York Univ. 1911—Phys. Passaic, N. J. (103 Lexington Av.)

McLean, McDugald Keener—A. B. Southwestern 1908; B. Sc. Oxford 1913—Physician, Asheville, N. C.

MacRae, Floyd Wilcox, Jr.—Ph. B. Yale 1911—Surg. Atlanta (1014 Peachtree St.)

McVay, James Robert—A. B. Missouri 1912—Surg. Kansas City, Mo. (Rialto Bldg.)

Makel, Hertel Philip—A. B. 1911—U. S. Mil. Acad. West Point, N. Y.

Mason, Verne Rheem—S. B. California 1914; Asst. Instr. Assoc. 1916 21—Phys. Los Angeles, Cal.

Maxcy, Kenneth Fuller—A. B. George Washington 1911—Asst. Surg. U. S. P. H. S. Washington.

Melen, David Ralph—S. B. Rochester 1911—Phys. Rochester, N. Y. (503 Grand Av.)

Mitchener, James Samuel—S. B. Davidson 1909—State Bd. of Health, Raleigh, N. C.

***Morgan, Harold Sydney**—A. B. Stanford 1912—1st Lieut. M. C.—**In France, May,* 1918.

Moore, Thomas Verner—Ph. D. Catholic Univ. 1903—Assoc. Prof. Psychol. Catholic Univ. Washington.

Morison, Rufus Ayers—Va. Mil. Inst. 1905—Physician, Richmond, Va.

Murray, John Gardner, Jr.—A. B. 1911—Instr. Clin. Obstet.; Physn. Balt. (1107 St. Paul St.)

Musser, Harvey Huston—A. B. 1911—Phys. Akron, O. (519 Metropol. Bldg.)

Newcomer, Harry Sidney—A. B. Wisconsin 1909—Phipps Inst. Univ. of Pa. Phila.

Peightal, Thomas Christian—Ph. B. Franklin and Marshall 1911—House Surg. Roosevelt Hosp. N. Y.

Preston, George Hinrichs—A. B. 1911—Greenwood, Ga.

Putnam, Mary—A. B. Bryn Mawr 1910—Physn. Cambridge, Mass. (36 Ash St.)

Rhodes, George Kremer—S. B. California 1912—Surg. San Francisco (516 Sutter St.)

Richards, Davis Neeper—A. B. Wooster 1911—(**Oct.*, 1918)

Richards, Esther Loring—A. B. Mt. Holyoke 1910—Instr. Psychiatry.

Rivers, Thomas Milton—A. B. Emory 1909—Assoc. Bacteriol.

Rosenthal, Gilbert White—A. B. 1910; —Physn. Balt. (2227 Linden Av.)

Rothschild, Lippman Levy—A. B. Yale 1910—Asst. Phys. Homewood San. Guelph, Canada.

Schnack, Adolph George—A. B. Stanford 1910; A. M. Yale 1911—Honolulu, T. H.

Scott, Katherine Julia—A. B. Wellesley 1910—Instr. Anat. Univ. of Cal. Berkeley.

Shellito, Judd Campbell—S. B. Princeton 1911—Physician, Independence, Ia.

Shewbrooks, Daniel Marsh—A. B. Middlebury 1909; Asst. Med. Univ. of Minn. 1916 17—Physician, Ft. Wayne, Ind.

Slater, Harvey M.—A. B. Oregon 1911—Physician, Palo Alto, Cal.

Smith, Daniel Clarke Wharton 2nd—Ph. B. Yale 1911—Physician, Balt. (17 Midvale Rd.)

Smith, Lucius Ernest—S. B. Kentucky Univ. 1911—West African Miss'n, Batanga, Cent. W. A.

Smith, L. Howard—S. B. Huron 1910—Physician, Portland, Ore. (627 Med. Bldg.)

Swan, Mary Hannah—A. B. Mt. Holyoke 1905—Serologist, Nat. Path. Lab. Chicago.

Sydenstricker, Virgil Preston Willis—A. B. Washington and Lee 1910—Asst. Med. 1916-17—Physician, Augusta, Ga.

Tappan, Benjamin—A. B. 1911—Disp. Pedn.; Phys., Balt. (11 Northfield Pl.)

Thomas, William Clark—A. B. Emory 1911—Surg. Camp Eldridge, P. I.

Trueblood, Donald Vaughn—A. B. Washington Univ. 1911—Surgeon, Seattle, Wash. (902 Boren Av.)

Tucker, Prescott Stearns—A. B. George Washington 1911—Ft. Sam Houston, Texas.

Turner, John Calvin, Jr.—S. B. Davidson 1908—Interne, St. Luke's Hosp. N. Y.

Turner, Victor Roland—S. B. Denison 1909; A. M. Harvard 1911—Physician, Newark, N. J.

Walker, John Edward—S. B. Ala. Polytech. 1910.

Warner, Charles Luther—A. B. 1911—Asst. Disp. Surg.; Physician, Balt. (700 N. Howard St.)

Werner, Roy Gillilan—A. B. Ohio State 1909—Physician, Akron, O. (Metropol Bldg.)

Wharton, Lawrence Richardson—Ph. B. Hiram 1907—Physician, Balt. (2305 St. Paul St.)

Whisman, Henry Stafford—S. B. California 1911—Phys. Agnew, Cal.

Williams, Louis Hicks—A. B. North Carolina 1911.

Wix, Edward Blaine—Ph. B. Yale 1911—Physician, Jersey City, N. J. (2671 Boulevard)

Woo, Sien-ming (Hu Hsüan-ming) — A. B. St. John's (Shanghai) 1910—Commr. Pub. Health, Canton, China.

Chisolm, James Julian—A. B. Princeton 1911—Asst. Disp. Larnyg.; Asst. Clin. Laryng. [*Degree conferred Feb.* 22, 1916.]

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Class Secretary—Benjamin Tappan, 11 Northfield Pl., Balt.

1916

Anderson, William Willis—A. B. Georgia 1911—Physician, Atlanta, Ga. (746 Peachtree St.)

Applebaum, Herman S.—A. B. 1913—Interne, Mt. Sinai Hosp. Cleveland, O.

Bacon, Emily Partridge—A. B. Wilson 1912—Res. Lankeman Hosp. Phila.

Barclay, Irvin C.—S. B. Knox 1912—Physician, Evansville, Ind.

***Barlow, Bryan Anderson**—S. B. Alabama 1912—(**July* 14, 1919.)

Bean, Harold Cedric—A. B. Oregon 1912; R. H. O. 1916-17—Physician, Portland, Ore. (Selling Bldg.)

Blanco, Pio—S. B. Washington and Jefferson 1912 — Fellow, Mayo Clinic, Rochester, Minn.

Brock, Sam—A. B. Georgia 1911—Fellow, Mayo Clinic, Rochester, Minn.

Bullard, H. Hays (F)—A. B. Missouri 1908; Ph. D. Tulane 1912 — Prof. Pathol. Western Univ. London, Can.

Burkholder, Harry Jackson—S. B. Monmouth 1912—Walker Hosp. Evansville, Ind.

Carden, John Joseph, Jr.—S. B. California 1912—Carlisle Barracks, Pa.

Christman, Paul William—S. B. California 1912—Physician, Sacramento, Cal.

Clark, Seymour Garland—Ph. B. Emory 1912—Physician, Brooklyn, N. Y. (7 Linden Av.)

***Conrad, Henry Brown**—A. B. Wake Forest 1912—*(*Jan.* 27, 1920)

Cummings, William Walter—A. B. Brown 1912—Phys. Providence, R. I.

Darrow, Frank Irons—S. B. North Dak. Agr. 1912—Phys. Fargo, N. D.

Disbrow, Harold Ball—A. B. Princeton 1911—Kimball Hosp. Lakewood, N. J.

Eidson, Joseph Pugh—A.B. Miami 1912—Asst. Physician—Bloomingdale Hosp. White Plains, N. Y.

Erickson, Reuben Johann—A. B. Knox 1911—Assoc. Prof. Med. Cincinnati Med. Sch. O.

***Etheridge, James Allan**—A. B. Georgia 1912—(**Oct.* 7, 1918).

Fairbank, Ruth Eldred—A. B. Illinois 1911—Asst. Psychiatry; Asst. Res. Psych.

Felton, Lloyd Derr— A. B. Wooster 1910; Assoc. 1917 20—Rockefeller Inst. N. Y.

Fielder, Roy Lamar—A. B. and S. B. Emory and Henry 1912 — Franklin Hosp. San Francisco.

Finney, William Parker, Jr.—A. B. Princeton 1908; Rockefeller Fellow, 1916 18—Fellow, Mayo Clinic, Rochester, Minn.

Fuller, Robert Guy—S. B. La. State 1907 — Gen. Hosp. No. 21, Denver, Colo.

Gill, Hugh Clinton Fiske—S. B. Maryland Agr. 1912—Physn. Balt. (4204 Maine Av.)

Greenwood, Adolphus Barte—A. B. North Carolina 1910—Phys. Asheville, N. C.

Grempler, Walter Edward—A. B. 1912. —Physician, Balt. (1013 Poplar Grove St.)

Haessler, Ferdinand Herbert—A. B. Wisconsin 1913—Res. Path. Pa. Hosp. Philadelphia.

Hallock, David Horace—A. B. Hamilton 1912—Surg. Southampton, N. Y.

Hamman, Howard Harrison—S. B. Allegheny 1912—Physn. Greensburg, Pa.

Handy, Margaret Irving—A. B. Goucher 1911—Physn. Wilmington, Del.

Harmon, Charles Maxwell—A. B. Lake Forest 1912—P. Asst. Surg. U. S. P. H. Ft. McHenry, Balt.

Harris, John Warton — A. B. North Carolina 1911—Instr. Obstet.

Harrop, George Argale, Jr.—A. B. Harvard 1912—Asst. Res. Phys.

Heldt, Thomas Johannes—A. B. Missouri 1910—Surg. U. S. P. H. S. Waukesha, Wis.

Herpel, Frederick Karl—A. B. Allegheny 1912—Fitzsimmons Gen. Hosp. Denver, Colo.

Hicks, Elijah Maxie, Jr.—A. B. Furman 1912—Physician, Florence, S. C.

Hood, Robert Carhart—A. B. Washington and Lee 1912—Interne, Willard Parker Hosp. N. Y.

Hundley, Jack Mason—A. B. St. John's 1912—Interne, U. P. I. (Balt.)

Jenks, Mildred—A. B. Wellesley 1911—Res. Phys. Hackett Med. Coll. & Hosp. Canton, China.

Kinne, Arthur Lyman—A. B. Dartmouth 1912—Physn. Holyoke, Mass.

Lawrence, Joseph Sell—A. B. Franklin and Marshall 1904; Asst. 1916-17—State Dept. Health, Albany, N. Y.

Lena, Hugh Francis—A. B. Dartmouth 1912—Physician, Lawrence, Mass.

Lincoln, Asa Liggett—A. B. Elon 1910—Physician, N. Y. (163 E. 36th St.)

***Long, John Gabriel**—A. B. Franklin and Marshall 1912—(**Oct.* 24, 1918.)

Lovett, Irving Kennedy—Ph. B. Lafayette 112—Physician, Red Bank, N. J.

McCafferty, Lawrence Kinsman—A. B. Kenyon 1912—Physn. N. Y. (170 W. 59th St.)

McCarthy, Charles Lee—S. B. Princeton 1912—Amer. Embassy, Paris.

McGuire, Patrick Francis—A. B. Rock Hill 1909; R. H. O. 1916-17—Physn. Balt. (2715 Guilford Av.)

Maas, Edith Helen—(Mrs. A. L. Lincoln) —Physician, N. Y. (163 E. 36th St.)

Major, Richard S.—A. B. Wofford 1909—Interne, Allegheny Gen'l Hosp. Pittsburgh.

Martin, Walter Bramblette—S. B. Virginia Polytech. 1909; R. H. O. 1916-17—Physn. Norfolk, Va.

Miller, Milo Kirk—A. B. Illinois 1912—Physician, South Bend, Ind.

Mitchell, William Thomas, Jr.—S. B. Pittsburgh 1912—Phys. Pittsburgh.

Moore, Joseph Earle—A. B. Kansas 1914; —Instr. Clin. Med.; Physician, Balt. (330 N. Charles St.)

Mullin, John Henry—S. B. Princeton 1912—Phys. Wilmington, Del.

Murchison, David Reid—A. B. North Carolina 1912—Phys. Richmond, Va.

Pfitsch, Alfred Jr.—A. B. Western Maryland 1912—Phys. Amer. Luth. Miss. Hosp. Rentichintala, S. India.

Pritchett, Charles Bernard—A. B. Washington and Lee 1912—Physn. Danville, Va.

Reese, Sidney O., Jr.—S. B. Nebraska 1913—

Reid, Horace Withers—A. B. Central Univ. (Ky.) 1911—Physician, Cincinnati, O.

Reynolds, Fred Dawson—S. B. Alabama 1912—Phys. Montgomery, Ala.

Reynolds, Lawrence—A. B. Alabama 1912—Brigham Hosp. Boston, Mass.

Roberts, Francis Errett—A. B. Bethany 1912—Phys. Chicago (Prairie Av.)

Sevier, Charles Edwin—S. B. Vanderbilt 1912—Physician, Brownsville, Tenn.

Sevier, John Alston—S. B. Vanderbilt 1912—Cragmoor San. Colo. Springs, Colo.

Smith, Daniel Glen—S. B. Union 1912; Physician, Schenectady, N. Y.

Smith, Taylor Bivens—A. B. Marietta 1912.

Southard, William White—A. B. Stanford 1910—Physn. Denver, Colo.

Speed, James Spencer—A. B. Virginia 1912—Surg. Memphis, Tenn.

Stifel, Richard Ernest—A. B. Harvard 1912 — Physn. Cleveland (14740 Euclid Av.)

Stoddard, James Kent—A. B. Princeton 1912—Physician, Phila. (7930 Crefeld St., Chestnut Hill).

Sutton, Alan Callender—A. B. 1912—Phys. Balt. (3212 Abell Av.)

Sutton, Thomas Lynn—A. B. Michigan 1912—Phys. Zanesville, O.

Thomas, Henry M., Jr.—S. B. Haverford 1912—Asst. Res. Phys.

Warinner, Junius Ernest, Jr.—A. B. Richmond 1912—Physician, Richmond, Va.

Wheeler, Theodora (Mrs. T. W. Finney) A. B. Vassar 1911 — Resch. Fellow, Mayo Clinic, Rochester, Minn.

White, Samuel Augustus—S. B. South Carolina 1912—Army Med. Sch. Washington.

Wislocki, George Bernays—A. B. Washington Univ. 1912—Assoc. Anat.

Zimmerman, Ernest Ludwig—A.B. Dartmouth 1912 — Disp. Phys. Dept. L; Instr. Clin. Med.

Briggs, Rowland Sill—S. B. California 1915—Physician, Balt. [*Degree conferred Feb.* 22, 1917.]

Henry, George William—A. B. Wesleyan 1912—Asst. Res. Phys. Bloomingdale Hosp. White Plains, N. Y. [*Degree conferred Feb.* 22, 1917.]

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1917

Amberson, James Burns, Jr.—Ph. B. Lafayette 1913—Asst. Phys. Loomis San. N. Y.

Anderson, James Kerr.—A. B. Washington and Jefferson 1913—Physician, Minneapolis (100 Andrus Bldg.)

Anderson, Walter Thomas—A. B. Washington and Jefferson 1913 — Phys. Washington, Pa.

Baird, John Herman—A. B. Kenyon 1913—Phys. Richmond, Va.

Banks, Horace McMurran—A. B. Washington and Lee 1913—Physician, Shepherdstown, W. Va.

***Belcher, Burton Elias**—S. B. Florida State 1905—(*Died, Nov.* 1918).

Blake, William Campbell—S. B. Howard Coll. 1913—Phys. Loomis San. N. Y.

Blanchard, Irene M.—A. B. Michigan 1898—Phys. Welsh Grove, Mo.

Brady, Leo—A.B. 1913—Res. Gynecol.; Instr.

Brosius, William Lewis, Jr.—A. B. Missouri 1915—Detroit Clin. Lab.

Brown, G. Bedford, Jr.—S. B. Georgetown 1912, and Yale 1913—Surg. Lexington, Ky.

Bullard, Hugh Max—S. B. Bucknell 1913—Physician, Newberry, Pa.

Callander, Curle Latimer—A. B. Harvard 1913—Instr. Univ. of Cal.; Surg. San Francisco.

Carroll, Alice Berry (Mrs. E. K. Marshall, Jr.)—S. B. Ohio State 1911—Balt. (Temple Ct. Apts.)

Carter, John Meynard—A. B. Missouri 1914—Phys. Detroit (Whitney Bldg.)

Clark, George Arthur—S. B. Hamilton 1913—Moses Taylor Hosp. Scranton, Pa.

Clark, Hallie Marguerite—S. B. Syracuse 1912; Asst. Res. Phys. & Asst. Med. 1918 19—Phys. Spartanburg, S. C.

Davidson, Herman Porter—A. B. Washington and Lee 1913—Phys. Chicago, Ill.

Davison, Wilburt Cornell—A. B. Princeton 1913; Oxford (Rhodes Scholar 1913-16, A. B. 1915, B. Sc. 1916, M. A. 1919)—Asst. Res. Ped.; Instr. Ped.

Doege, Karl Herman—S. B. Wisconsin 1913—Marshfield Clinic, Wis.

Doub, Howard Philip—A. B. Western Md. 1913—Phys. Detroit (1429 Whitney Bldg.)

Fear, Raymond Durstan—A. B. Hamilton 1913—Physician, Bridgeport, Conn.

Fowle, Hubert William—A. B. Williams 1910—Woburn, Mass.

Frishman, Morris—S. B. Pittsburgh 1913—U. S. P. H. S. Pittsburgh (5543 Black St.)

Gailey, Herman Anderson—A. B. St. John's 1913—Asst. Disp. Urologist.

Gamble, Thomas Owen—S. B. Alabama 1912—Phys. Albany, N. Y. (180 Washington Av.)

Gay, Leslie Newton—Ph. B. Lafayette 1913—Asst. Clin. Med.

Groover, Gordon Lewis, Jr.—A. B. Washington and Lee 1912—Physn. Savannah, Ga.

Guy, Ruth Alline—A. B. Barnard 1912; Asst. Bacteriol. 1917-18—Resch. Com. Glasgow, Scotland.

Hardy, George Edward Webb, Jr.—A.B 1913—Res. Phys. Union Prot. Infirm. Balt.

Hartman, Frank Wilbur—A. B. Knox 1913—Surg. Washington (5634 32d St. N. W.)

Hoffman, Robert Val.—A. B. St. John's 1913—Phys. South Bend, Ind.

Hohman, Leslie Benjamin—A. B. Missouri 1912—Asst. Res. Phipps. Clinic; Instr. Psychiatry.

Howard, Sarah Ernestine—A. B. Wellesley 1911; R. H. O. 1917-18—Physn. Reading, Mass.

Jackson, Waddie Pennington—A. B. Randolph-Macon 1910—Physician, Roanoke, Va.

Jacobs, Louis Llewellyn—A. B. 1913—Arlington Hosp. New Haven, Conn.

Janney, John Hall, Jr.—S. B. Earlham 1913—Internat. Hlth. Bd. Rio Janeiro, Brazil.

Johnson, Robert Wilkinson—A. B. Princeton 1912—Instr. Clin. Orth. Surg.

Ketzky, Joseph W.—S. B. Ala. Polytech. 1912—Physician, Balt. (2327 Eutaw Pl.)

King, Merle William—A. B. Allegheny 1908—Res. Surg. Mt. Sinai Hosp. Cleveland.

Koch, John Christian—S. B. Georgia 1904—Physn. Detroit (97 E. Euclid Av.)

Kolls, Alfred C.—S. B. Wisconsin 1914.

Linden, Harry—A. B. 1912—Physician, Balt. (14 S. Broadway).

Linthicum, Frederick Hamilton—A. B. Loyola 1912; R. H. O. 1917 18—Phys. Los Angeles (Haas Bldg.)

Luckett, Coen L.—A. B. Univ. of Ill. 1914—Physn. Terre Haute, Ind.

McCartney, James Shearer, Jr.—A. B. Washington and Jefferson 1913—Asst. Prof. Path. Univ. of Minn. Minneapolis.

McGauley, Frederick Francis—S. B. Union 1912—Surg. Schenectady, N. Y.

McMeen, Claude Vincent—Ph. B. Dickinson 1913—Phys. Springfield, Ill.

McNeal, Morley Daniel—A. B. Iowa 1913—Fellow, Mayo Clinic, Rochester, Minn.

Mann, Hubert Melville—A. B. Union 1913—Physn. N. Y. (1 W. 70th St.)

Marshall, Eli Kennerly, Jr.—S. B Charleston 1908; Ph. D. 1911; Prof. Pharmacol. Wash. Univ. 1919-21—Prof. Physiol.

Martzloff, Karl Henry—A. B. Oregon 1913—Asst. Res. Pathol.

Merritt, Katharine Krom—A. B. Vassar 1908—Physician, N. Y. (101 E. 74th St.)

Micklethwaite, Gilbert Richard—S. B Ohio Univ. 1913—Phys. Portsmouth, O.

Miller, Frederick A.—A. B. St. John's 1912—Field Director, Rockefeller Fndn. N. Y.

Moise, Theodore Sidney, Jr.—A. B. Georgia 1913—Instr. Yale; Asst. Res. Surg. New Haven Hosp.

Nicholson, Hubert Maurice—S. B. Oklahoma 1912—Physn. Kansas City, Mo.

Novak, Edward—A. B. 1913—Physn. Balt. (821 N. Patterson Pk. Av.)

Payne, Louis Ernest, Jr.—A. B. St. John's 1912—Willard Parker Hosp. N. Y.

Pulford, DeLos Schuyler, Jr.—S. B. Trinity (Conn.) 1912—Mayo Clinic, Rochester, Minn.

Reber, Ralph Louis — Ph. B. Franklin and Marshall 1913—Phys. Reading, Pa.

Rice, John L.—S. B. Wesleyan 1912—Health Dept. Maysville, Ky.

Riggin, Irl Cephas—A. B. Western Md. 1913—Phys. Windsor, La.

Sanger, Bertram Julian—A. B. Texas 1913; R. H. O. 1917-18—Phys N. Y. (285 Central Pk. W.)

Schultz, Edwin William—S. B. Winona 1913; A. B. Michigan 1914—Assoc. Prof. Bacteriol. Stanford Univ. Cal.

Sharp, Robert G.—California (S. B. 1911, Ph. D. 1914)—Phys. San Diego, Cal.

Shearer, Joseph Pardoe—S. B. Bucknell 1913—Surg. Florence, S. C.

Sherrill, James Winn — A. B. Baylor 1913—Phys. N. Y. (660 Park Av.)

Shipton, George Marsden—A. B. Williams 1913—Phys. Pittsfield, Mass.

Shulman, David Nathaniel—A. B. 1913—Fellow, Med.

Smith, Eben Elliott—S. B. Moore's Hill 1913—Naval Hosp. Brooklyn.

Sosman, Merrill Clary—A. B. Wisconsin 1913—Interne, Mass. Gen. Hosp. Boston.

Staehle, Richard Henry—S. B. Princeton 1913—Phys. Newark, N. J. (City Hosp.)

Stafford, Frank William John — A. B. Michigan 1914—Physician, Detroit (Smith Bldg.)

Stewart, Robert Bond—Toronto (A. B. 1905, A. M. 1906, B. Sc. 1909)—Phys. Kapuskasing, Canada.

Stifel, John Louis—A. B. Harvard 1913—Physician, Toledo (2265 Scottwood Av.)

Sturgis, Cyrus Cressy—S. B. Washington 1913—Res. Phys. Brigham Hosp. Boston.

Summers, William Shakespeare — A. B. and S. B. Missouri 1914—Phys. Detroit (Whitney Bldg.)

Tibbetts, Mark Hopkins—S. B. Parsons 1912—Surg. Duluth, Minn.

Tillett, William Smith — A. B. North Carolina 1913—R. H. O.

Tischler, Max—Ph. B. Lafayette 1913.—Phys. Wilkes Barre, Pa.

***Twigg, Nial Franklin**—A. B. St. John's 1913; 1st Lieut. M. C.—**Oct.* 10, 1918.

Tyler, Margaret — A. B. Mt. Holyoke 1913; R. H. O. 1917-18—Instr. Obst. Yale Univ. New Haven.

Van Nostrand, Hobart Sanford — S. B. Colgate 1913—Mineola, N. Y.

Wason, Isabel Mary — A. B. Western Coll. 1911—New Haven Hosp. Conn.

Webb, Robert Alexander, Jr. — A. B. Southwestern Presb. 1910—Wembley Pk. Middlesex, England.

White, John Bonar — A. B. Davidson 1910—Physn. Atlanta, Ga. (85 Drewry St.)

Wilkinson, George Richard—S. B. Davidson 1912—Phys. Greenville, S. C.

Worthington, Frank Dallam — A. B. Princeton 1913—Phys. Charlotte, N. C.

Wright, Mary—A. B. Vassar 1911—Phys. Boston (684 Commonwealth Av.)

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1918

Arnold, Clement Harrisse—A. B. Stanford 1910—Phys. San Francisco (177 Post St.)

Baylor, John Ward—A. B. Wash. and Lee 1914—Phys. Hagerstown, Md.

Blair, Harry Edwin—A. B. West. Md. 1914—Phys. Hagerstown, Md.

Bollinger, Herman John—S. B. Heidelberg (Ohio) 1914—Mercy Hosp. Toledo, Ohio.

Bowden, David Thomas, Jr.—A. B. 1914—Passaic, N. J.

Brewster, Albert Howell—A. B. Va. 1914—Interne, Brigham Hosp. Boston.

Cathrall, Friedman Holmes—S. B. Bucknell 1914—Asst. in Obstet.

Coblentz, Richard Gilmore—A. B. 1914—Res. Church Home and Infirm.

Conroy, Frank Davies—A. B. Univ. of N. C. 1914—Res. Phys. Cincinnati Gen. Hosp.

Craddock, Alva Brown—S. B. Howard Coll. 1908—Asst. Phys. Sanatorium, Mt. McGregor, N. Y.

***Day, Edgar Mortimer**—A. B. Princeton 1914—(*Died July* 23, 1919.)

Dorsey, John Lanahan—A. B. 1914—Asst. Res. Phys.

Douglas, Beverly—Litt. B. Princeton 1914—Interne, New Haven Hosp. Conn.

Dunham, Ethel Collins—A. B. Bryn Mawr 1914—Instr. Ped. Yale; New Haven, Conn.

Eliot, Martha May—A. B. Radcliffe 1913—Res. Ped. New Haven Hosp.

Elmendorf, John E.—A. B. Rutgers 1914—San Jose, Costa Rica.

Foley, Frederic Eugene Basil—Ph. B. Yale 1913—Brigham Hosp. Boston.

Fuller, Lawrence Stokes, Jr.—S. B. Univ. of S. C. 1914—Interne, Ford Hosp. Detroit.

Gager, Leslie Tracy—A. B. Yale 1914.—Phys. Rye, N. Y.

Germann, Hildegarde Catharine—A. B. Vassar 1913—St. Luke's Hosp. Chicago.

Getz, Lawrence—A. B. 1914—Physn. Balt. (1111 W. Lanvale St.)

Ghormley, Ralph Kalb—S. B. Whitworth 1914—Asst. Clin. Ortho. Surg.

Goldsberry, Blaine Randolph—S. B. Ohio Univ. 1914—Phys. Athens, O.

Green, John Summerfield, Jr.—S. B. Lafayette 1914—Physn. Towson, Md.

Griffith, Harry LeVerne—A. B. Ohio State 1914—Phys. Columbus, O.

Harwood, Garland Melvin—A. B. Richmond 1914—Physician. Richmond, Va. (1119 W. Grace St.)

Herman, Nathan Bernard—A. B. 1914—Asst. Res. Phys.

Hillman, Rolfe Louis—A. B. Emory and Henry 1913—Phys. Wilder, Va.

Holman, Emile Frederic—A. B. Stanford 1911 and Oxford 1916—Res. Surg.; Instr. Surg.

Houseal, Robert Wright—A. B. Newberry 1911; A. M. Va. 1913—Phys. Augusta, Ga.

Huck, John Gardiner—A. B. 1913—Instr. Med.

Hughson, Walter—S. B. Princeton 1914—Instr. Anat.

Huiskamp, John Edabduel—A. B. Harvard 1898—Phys. Balt. (Greenway Apts.)

Johnson, S. Lloyd—A. B. Goshen Coll. 1914—Res. Bon Secours Hosp. Balt.

Jordan, Carl Fred—A. B. Iowa Univ. 1914—Yangchow Bap. Hosp. China.

Key, John Albert—S. B. Ala. Polytech. 1913—Instr. Physiol. Harvard.

Keyser, Linwood Dickens—A. B. Va. 1914—Fellow, Mayo Clinic, Rochester, Minn.

Kite, Joseph Hiram—A. B. Rand.-Macon 1914—Res. Surg. Univ. Hosp. Augusta, Ga.

Klecan, Janina Constance—Lemberg (Austria) Gym. 1903—Phys. Portland, Ore.

Koontz, Amos Ralph—A. B. and S. B. William and Mary 1910—Surg. Balt. (1014 St. Paul St.)

Krumrein, Louis Frederick—A. B. George Washington 1914—Phys. Balt. (722 N. Kenwood Av.)

Lane, Clifford M.—A. B. Wash. and Jeff. 1913—Allegheny Gen. Hosp. Pittsburgh, Pa.

Lentz, Carlisle Sanford—A. B. Creighton 1914—Asst. Supt. Univ. Hosp. Augusta, Ga.

Levy, Charles Sumner—A. B. 1914—Chief Surg. Res. Hebrew Hosp. Balt.

Lincoln, Jennings Sipe—A. B. Elon Coll. 1911—Physn. Montclair, N. J.

***Linton, Edwin Scott**—A. B. Wash. and Jeff. 1913. **In France, Nov.* 14, 1917.

McCown, Albert Smith—A. B. Wash. and Lee 1910—Tacoma Clinic, Washington.

McFee, William Frank—A. B. Tenn. 1914—St. Luke's Hosp. N. Y.

Martindale, Joseph Watson, Jr.—Ph. B. Yale 1913—Phys. Balt. (16 E. Preston St.)

Mateer, John Gaston—A. B. Wooster 1911; Asst. in Med. 1918 20.

Mayer, William Frederick—A. B. Princeton 1914—Phys. Johnstown, Pa.

Meekins, Gilbert Edison—A. B. Wash. Coll. 1913—Phys. Cambridge, Md.

Menagh, Frank Robert—A. B. Iowa Univ. 1914—Phys. Ford Hosp. Detroit.

Michael, Edith S.—(Mrs. Samuel Buyer)—A. B. Lyceum Fliegelmann, Vienna 1911—Phys. N. Y. (300 Central Pk. W.)

Montgomery, John Chalmers—A. B. Mich. 1914—Phys. Ford Hosp. Detroit.

Morgan, Hugh Jackson—S. B. Vanderbilt 1915—Asst. Res. Phys. Hosp. Rockefeller Inst. N. Y.

Morgan, Hugh Jackson—S. B. Vanderbilt 1915—R. H. O.

Nachlas, Israel William—A. B. 1914—Asst. Clin. Orth. Surg.

Noble, William Dove—A. B. St. John's 1914—Res. Surg. Church Home and Infirm. Balt.

Oppenheimer, Ella—A. B. Bryn Mawr 1914—Physn. Washington, D. C.

Pardee, Katherine—A. B. Wellesley 1912—Fellow, Mayo Clinic, Rochester, Minn.

Penfield, Wilder Graves—Litt. B. Princeton 1913—Assoc. Columbia; Vis. Surg. Presb. Hosp. N. Y.

Phythyon, Daniel—S. B. Westminster (Pa.) 1914—Physician, Sharon, Pa.

Porter, Clarence Chipley—A. B. 1914—Phys. San Francisco.

Rankin, John Paul—A. B. Ohio Wesleyan 1914—Bellevue Hosp. N. Y.

Ransom, Clarence Albert—S. B. Fargo 1914—Phys. Washington (3416 R St. N. W.)

***Rich, Lyle Barnes**—A. B. North Dakota 1914. **In France, Dec.* 8, 1917.

Richter, Ina May—A. B. Bryn Mawr 1908—Physn. San Francisco.

Rosen, Robert—S. B. Mich. Agric. 1913—Providence Hosp. Detroit.

Rushing, Emmet Orren—A. B. Texas 1913—Res. Gynecol. Lakeside Hosp. Cleveland.

Sachs, Louis—A. B. 1914.

Scott, William Justus Merle—A. B. Oberlin 1914 — Surg. Detroit (2982 Vicksburg Av.)

Shirley, Harold Clinkscales—S. B. S. C. Mil. 1913; A. M. S. C. Univ. 1914—Surg. Charlotte, N. C.

Smith, Woodruff—A. B. Williams 1914. —Yale Univ. New Haven.

Southworth, John Deane—A. B. Kenyon 1914—New York Hosp.

Spalding, Edward D.—S. B. Princeton 1914—Attend. Phys. Recv. Hosp. Detroit.

Stewart, Horace Gentry—S. B. Mass. Inst. Tech. 1914—Asst. Res. Pedn.; Asst. in Ped.

Stone, Phebe—A. B. Goucher 1914—Phys. Kin Kiang, Kiangsi, China.

Swarts, Ralph Easterday—A. B. Kansas 1914 — Res. Gynecol. Lakeside Hosp. Cleveland.

Tannenbaum, Karl Hart—A. B. Wabash 1914—Surg. Chicago.

Verplanck, Van Noyes—A. B. Yale 1914—House Phys. St. Luke's Hosp. N. Y.

Wadsworth, Harvey Bryan—A. B. N. C. Univ. 1909.

Wagner, Charles Edward—Ph. B. Dickinson 1914—Phys. St. Paul, Minn. (539 Lowry Bldg.)

Ward, James Alto—A. B. Howard Coll. 1914—Phys. Birmingham, Ala. (604 N. 20th St.)

Wilkins, Lawson— A. B. 1914 — Balt. (1014 St. Paul. St.)

Witzeman, Louis Alexander—A. B. Harvard 1913—Europe.

Woolley, LeGrand—A. B. Utah 1911—Physn. Salt Lake City, Utah.

Yager, Rodes Estill—S. B. Georgetown (Ky.) 1913—Palacio Santa Catalina, San Juan, P. R.

Hobbs, Royal Lee—A. B. St. John's 1914—Interne, Church Home and Infirmary, Balt. [*Oct.* 1, 1918]

Stump, Elmer Raymond—A. B. Georgia 1912. [*Oct.* 1, 1918]

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1919

Adams, Enoch Hermon — A. B. Bates 1913—House Surg. Geisinger Hosp. Danville, Pa.

Armstrong, Jane B.— A. B. Smith 1910—Phys. Rome, N. Y.

Athens, Alvin Glenwood—A. B. DePauw 1915—Asst. in Gynecol.; Asst. Res. Gyne.

Baskett, Edgar Drane—A. B. and A. M. Missouri 1915—Res. Phys. Univ. Hosp. Minneapolis.

Benedict, Mary Kendrick—A. B. Vassar 1897; Ph. D. Yale 1903 — Phys. Arlington Hghts. Mass.

Bogart, Franklin Blevins-S. B. Wisconsin 1916—Phys. Chattanooga, Tenn.

Bowcock, Harold Mathew— S. B. Michigan 1916—Phys. Atlanta, Ga. (Emory Univ.)

Breitstein, Moses Lewis — A. B. Richmond 1915—Asst. 1920-21—Europe.

Broyles, Edwin Nash — S. B. Georgia 1915—Asst. in Laryngol.

Carr, Eugene Morrison—A. B. Pennsylvania 1913—Asst. Res. Univ. of Cal. Hosp. San Francisco.

Cash, James Robert — A. B. and A. M. Virginia 1914 and 1915 — Assoc. in Path.; Pathol. City Hosp. Balt.

Casparis, Horton Ryan — A. B. Texas 1915—Asst. Res. Phys.; Instr. Ped.

Chapman, Leland Stanford—S. B. Occidental 1915—Interne, Ancon Hosp. C. Z.

Cheetham, John Gardner—A. B. St. Lawrence 1913—L. I. Coll. Hosp. Brooklyn, N. Y.

Chenoweth, Laurence Benjamin — A. B. 1914—Dept. Hygiene, Univ. of Cincinnati, O.

Cissel, Benjamin Milton — A. B. St. Johns 1914—Asst. Res. Surg. L. I. Coll. Hosp. Brooklyn.

Cohn, L. Clarence—A. B. 1915—Surg. Balt. (2011 Eutaw Pl.)

Craig, Winchell McKendree—A. B. Ohio Wesleyan 1915—Fellow, Mayo Clinic, Rochester, Minn.

Creighton, Catherine—A. B. Bryn Mawr 1914—Blue Ridge Summit, Pa.

Davidson, Leonard Tomb—A. B. Oberlin 1912 — Peter Bent Brigham Hosp. Boston.

Davis, James Edward — A. B. Roanoke 1915—Phys. Hartford, Conn.

Demmond, Edward Carson—A. B. Emory 1915—Phys. Savannah, Ga.

Dennis, Helen George — A. B. Oregon 1913—Phys. Portland, Ore.

Duncan, Edgar Everett—A. B Arkansas 1915—Res. Phys. Woman's Hosp. Balt.

Dunlap, Ralph Herpel—A. B. Albright 1914—Phys. Pittsburgh.

Dunn, James Ralph — S. B. Davidson 1915—Asst. in Laryngol.

Ebaugh, Franklin Gessford—A. B. 1915. —Interne, State Hosp. Trenton, N. J.

Farrell, Hortensia Amanda—(Mrs. H. A. F. Robinson)—S. B. Simmons 1912—Health Center, New Haven, Conn.

Finney, John Miller Train, Jr.—S. B. Princeton 1915 — Interne, U. Mem. Hosp. Balt.

Finney, Thomas Samuel—A. B. Wabash 1915—Phys. Wichita, Kans.

Flowers, Earl Newton—A. B. West. Va. Wesleyan 1915—Phys. Clarksburg, W. Va.

Gray, Watson Womack—A. B. Randolph-Macon 1915—Asst. Res. Obst.; Asst. in Obstet.

Greenberg, Jacob Pearl—S. B. Coll. City of New York 1915—Lying in-Hosp. Chicago.

Hannon, Robert Roger—S. B. Washington 1915.

Hanrahan, Edward M., Jr.—A. B. Cornell 1915—Asst. Res. Surg. U. Mem. Hosp. Balt.

Harbison, John William—A. B. Trinity (N. C.) 1912—Res. Phys. Bryn Mawr Hosp. Pa.

Harvey, George Givins—A. B. Missouri 1916—Phys. Springfield, Ill. (728 E. Capital Av.)

Herlinger, Ralph David—S. B. Hobart 1915—Emergency Hosp. Washington.

Higgins, Harold Leonard—A. B. Harvard 1907—Asst. Prof. Ped. Univ. of Cincinnati, O.

Holmes, Champneys Holt—S. B. Georgia 1915—Asst. Phys. Bellevue Hosp. N.Y.

Holtz, Paul Roscoe—A. B. Western Maryland 1915—Phys. Wheatland, Wyo.

Hubbard, Lois—A. B. Vassar 1915.—Asst. Phys. St. Elizabeth's Hosp. Washington.

Hussey, Cyril Christopher—S. B. Ohio 1915—Phys. Sidney, O.

Huyler, Washington Connor—S. B. Columbia 1915—Asst. Surg. U. S. P. H. S. Hosp. N. Y.

Johnston, Robert Alexander—S. B. Alabama 1915—Sloane Hosp. N. Y.

Josephs, Hugh Wilson—A. B. Harvard 1914—Asst. Res. Ped.; Asst. in Ped.

Kerr, H. Dabney—S.B. Wisconsin 1916.

Kinnaman, Howard Athos—S. B. Earlham 1915—Phys. Crawfordsville, Ind.

Kunkel, William Minster—A. B. Franklin and Marshall 1915—Interne, Lankanau Hosp. Philadelphia.

Liberles, Lucille—A. B. Goucher 1915—Phys. Balt. (2347 Eutaw Pl.)

Lee, Ferdinand Christian—A. B. Cornell 1915—Instr. Anat.

McLean, Jay—S. B. California 1914; A. M. Pennsylvania 1917—Asst. Res. Surg.; Instr. Surg.

Macklin, Madge Thurlow—A. B. Goucher 1914; Asst. School of Hygiene 1919-20—London, Ont.

Macgowan, Birkhead—S. B. Tennessee 1915—Supt. and Res. Phys. Sydenham Hosp. Balt.

McIntosh, William Alexander—A. B. Oberlin 1913; Asst. Anat. 1919-20—Health Commr. Lorain Co. Oberlin, Ohio.

Martin, Hilmar George—A. B. 1915—Phys. Milwaukee (873 Grant Boul.)

Moench, Laura Mary—A. B. Wellesley 1914—Fellow, Mayo Clinic, Rochester, Minn.

Monfort, John Merrell—A. B. Emory 1915—St. Thomas Hosp. Panama City, Pan.

Murray, Doris Audrey—A. B. McGill 1915—St. John's N. B. Canada (254 Douglas Av.)

Musselman, Luther Kyner—S. B. Pa. Coll. 1915—Res. New Haven Hosp.; Instr. Obst. Yale.

O'Brien, Joseph Grant, Jr.—A. B. St. Francis Xavier 1914—Great Falls, Mont.

Ormond, Alexander Thomas, Jr.—A. B. Princeton 1912—Interne, Brigham Hosp. Boston.

Parsons, Charles Edwards—A. B. Amherst 1913 and Colorado Coll. 1914—Asst. Res. Surg. Roosevelt Hosp. N. Y.

Paul, John Rodman—A. B. Princeton 1915; Asst. in Path. 1919-20—Interne, Pa. Hosp. Philadelphia.

Paxman, Dalton Gordon—A. B. and M. S. North Dakota 1914 and 1915—Phys. Cavalier, N. Dak.

Platt, Anna—A. B. Bryn Mawr 1909.—Int. Bellevue Hosp. N. Y.

Price, James Valentine, Jr.—A. B. North Carolina 1915—Interne, Brigham Hosp. Boston.

Purcell, Robert Emmet—A. B. Mich. 1915—Phys. Monessen, Pa.

Purdy, Anne Peril—A. B. McGill 1915—Dir. Clin. and Path. Lab. Hebrew Hosp. Balt.

Reese, Elizabeth Mintie—A. B. Goucher 1908—Asst. Res. A. E. L. M. Hosp. Rajahmundry, India.

Rich, Arnold Rice—A. B. Virginia 1915—Assoc. Path.

Rienhoff, William Francis, Jr.—A. B. Cornell 1915—Asst. Res. Surg.; Instr. Surg.

Robnett, Dudley Anderson—A. B. Missouri 1916—H. A. Kelly Hosp. Balt.

Rowe, George Davis—A. B. Fredericksburg 1910—S. B. Wake Forest 1916—Phys. Balt. (900 St. Paul St.)

Sacks, Benjamin—A. B. 1915—Fellow, Mt. Sinai Hosp. N. Y.

Schumacher, Irwin Clement—A. B. California 1915—Instr. Med. Univ. of Cal. San Francisco.

Stevenson, George Salvadore — S. B. Bucknell 1915—Cornell Med. Sch. N.Y.

Stewart, Harold Julian —A. B. 1915—Bingham Fellow in Med.

Strongman, Bessie Talbot — S. B. Chicago 1915—Phys. Pittsfield, Mass.

Swarthout, Edyth Claire—A. B. Wisconsin 1913—Phys. La Crosse, Wis.

Thomas, Frank Carleton — A. B. Randolph-Macon 1915 — Phys. Roanoke, Va.

Uhler, Claud Irving — A. B. 1915 — Phys. Dallas, Texas.

Voshell, Allen Fiske— A. B. 1915 — Instr. Orthoped. Surg. Univ. of Va.

Wallerstein, Emanuel U.—A. B. Virginia 1914—Phys. Richmond, Va.

Webster, Leslie Tillotson — A. B. Amherst 1915—Asst. Pathol. Rockefeller Inst. N. Y.

Williams, George Huntington — A. B. Harvard 1915; D. P. H. 1921—San. Supervisor, State Dept. of Health, Albany, N. Y.

Williams, Judson Thomas—A. B. Colorado 1915 — Phys. Colorado Springs, Colo.

Willis, Henry Stuart—A. B. North Carolina 1914; A. M. 1920—Instr. Med.

Winans, Henry Morgan—A. B. Stanford 1916—Instr. Baylor Med. Sch.; Phys. Dallas.

Wright, H. Garner — S. B. Univ. of Washington 1913—Surg. Seattle, Wash.

Youmans, John Barlow—A. B. Wisconsin 1915—Asst. Med.

Bowe, Dudley Pleasants—A. B. Richmond 1915 — Res. Surg. St. Agnes Hosp. Balt. (*Dec.* 3, 1919).

Bowman, Paul J.—A. B. Lebanon Valley 1915—Phys. Ft. Bragg, Cal. (*Dec.* 3, 1919).

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1920

Allen, Wilmar Mason—A. B. Haverford 1916—Interne, Ford Hosp. Detroit.

Baer, Ridgely Waters—A. B. 1916.—Interne, J. H. H.

Bailey, Garland Howard—S. B. West Virginia 1915; D. P. H. 1921.

Browder, Eli Jefferson — A. B. Emory and Henry 1915.—Interne, L. I. College Hosp. Brooklyn, N. Y.

Brown, Paul E.—S. B. Emory 1915.—Interne, St. Agnes Hosp. Balt.

Browne, Florence A. — A. B. Vassar 1908—Physician, Ann Arbor, Mich.

Burns, John Gillett—A. B. Southwestern 1916—Physician, Galveston, Texas. (1021 Av. B)

Caldwell, William Courette—A. B. La. State 1911, and M. S. 1912.—Interne, St. Agnes Hosp. Balt.

Carrington, George Lunsford — A. B. North Carolina 1913; A. M. Trinity (N. C.) 1916—New Haven Hosp. Conn.

Carter, Fred Gay — A. B. Wisconsin 1911—Asst. Res. City Hosp. Cincinnati, O.

Caulfield, Ernest Joseph—S. B. Trinity (Ct.) 1916—New Haven Hosp. Conn.

Chamberlin, Hazen Graves — A. B. Pomona 1916 — Interne, Receiving Hosp. Detroit.

Cheer, Sheo Nan—A. B. Nanking 1917 —Interne, Mass. Genl. Hosp. Boston.

Clary, Eleanor—A. B. Vassar 1914—Interne, Worcester Memorial Hosp. Worcester, Mass.

Colonna, Paul Crenshaw—A. B. Rand.-Macon 1915—Interne, Hosp. Rup. and Crip. N. Y.

Cromwell, Guy Nelson—A. B. 1916.—H. A. Kelly Hosp. Balt.

Darner, Henry Lauran—A. B. Western Md. 1916—Asst. in Pathol.; Asst. Res. Surg.

Darrow, Daniel Cady — A. B. Cornell 1916—Asst. in Pathol.

Davidson, Edward Clark—S. B. Harvard 1916—Henry Ford Hosp. Detroit.

Davis, Herbert Haywood—A. B. Cornell 1917 — Interne, Univ. Nebr. Hosp. Omaha.

Davison, Atala Scudder — A. B. Bryn Mawr 1916—Balt.

Dieuaide, Francis Raymond—A. B. Coll. City N. Y. 1913—Asst. in Med.; Asst. Res. Surg.

Doetsch, Helen—A. B. Goucher 1916.—Phys. Balt. (14 Merrymont Rd. R. P.)

Doughty, Roger Gamble—S. B. Georgia 1916—Fellow, Cleveland Clinic, O.

Ellicott, Valcoulon LeMoyne — S. B. Mass. Int. Tech. 1916; D. P. H. 1921 —Willard Parker Hosp. N. Y.

Felty, Augustus Roi—A. B. Yale 1916. —Research Fellow, Presb. Hosp. N. Y.

Ford, Frank Rodolph—A. B. 1915—Interne, Phipps Psych. Clinic.

Fox, James Charles, Jr.—A. B. Williams 1916—Asst. in Med. Yale, New Haven.

Fricke, Robert Elmer—A. B. 1916.—Res. H. A. Kelly Hosp.

Friedenwald, Jonas Stein—A. B. 1916. —Physician, Balt. (1029 Madison Av.)

Funk, William Harris—A. B. Williams 1916—Lieut. U. S. N. Washington.

Gaines, Carl—A. B. Mercer 1913—Res. Phys. Garfield Mem. Hosp. Wash.

Gichner, Manuel Gutman—A. B. 1916 —Physician, Balt. (2504 Madison Av.)

Greenawalt, Elmer Paul—A. B. Wittenberg 1915—Interne, St. Agnes Hosp. Balt.

Halbach, Robert McCulley — S. B. Franklin and Marshall 1915 — City Hosp. Amsterdam, N. Y.

Hanger, Franklin McCue, Jr. — S. B. Virginia 1916.—Interne, Presbyterian Hosp. N. Y.

Harrington, Helen — A. B. Wellesley 1902; A. M. Denver 1915.

Hartsock, Charles Lester — S. B. St. John's 1916.—Interne, Lakeside Hosp. Cleveland.

Hawkins, Harry Morton—A. B. Washington and Jefferson 1916 — Interne, Columbia Hosp. Milwaukee.

Hawkins, Raymond Willard — S. B Rochester 1916 — Interne St. Luke's Hosp. N. Y.

Higgins, Leight Monroe — A. B. Ohio 1916—Asst. in Laryngol.

Holt, L. Emmett, Jr.—A. B. Harvard 1916—Interne, Babies' Hosp. N. Y.

Hoskins, Roy Graham — A. B. Kansas 1905—Ph. D. Harvard 1910; Associate 1920-21 — Prof. Physiol. Columbus (O.) Med. Sch.

Johnson, Franklin Paradise—A. B. Missouri 1908; A. M. Harvard, 1910 and Ph. D. 1912; House Officer, Brady Urol. Inst.

Johnson, William Oscar — S. B. Ky. Wesleyan 1915 — Fellow, Cleveland (O.) Clinic.

Kahle, Ralph Charles—A. B. Iowa 1916. —Instr. Pathol. Univ. of Louisville, Ky.

Kennedy, Robert Phelps—A. B. Cornell 1912—Buffalo (N. Y.) Clinic.

Kern, Howard Milton—A. B. Virginia 1917—Interne, Hebrew Hosp. Balt.

Kneale, Halford Benson—A. B. DePauw 1915—Church Home and Infirm. Balt.

Leadbetter, Guy Whitman—A. B. Bowdoin 1916—Cleveland (O.) Clinic.

Levin, Charles Alec—A. B. Brown 1916. —Interne, R. I. Hosp. Providence.

Lewin, Bertram David — A. B. Texas 1916—Asst. Res. Phys.

Livingston, Jacob—S. B. Lafayette 1916. —Asst. Res. Surg. St. Agnes Hosp. Balt.

Lyon, George Marshall—S. B. Denison 1916—Physician, Huntington, W. Va.

McCoy, Charles Clifton—S. B. Princeton 1915—Asst. in Pathol.

McKeithen, Archibald Murdoch—S. B. Davidson 1916—Res. Surg. City Hosp. Louisville, Ky.

McNeill, Clyde—A. B. Erskine 1915; S. B. and A. M. South Carolina 1916. —Res. Phys. City Hosp. Balt.

Marcus, Joseph Mortimer—Ph. B. Yale 1916—House Surg. Mt. Sinai Hosp. N. Y.

Martin, Lay—S. B. Princeton 1915.—Interne, Kula San. Waiakoa Maru, Hawaii.

Martin, William Curry—A. B. Kentucky 1916—Interne, City Hosp. Balt.

Moore, Fitz Randolph—A. B. Westminster (Pa.) 1916 — Interne, Jackson Hosp. Roanoke, Va.

O'Brien, Daniel Patrick—Ph. B. Yale 1915—Europe.

Parsons, Susanne Ring—S. B. Nebraska 1914 A. M. 1915 and Ph. D. 1917.—Child Welfare Bureau, Balt.

Phelps, Winthrop Morgan—S. B. Princeton 1916—Interne, Mass. Gen. Hosp. Boston.

Piper, Rena Kate — S. B. Wisconsin 1916—Children's Hosp. San Francisco.

Plath, Harry William — S. B. Fargo 1916.

Primrose, Arthur Chipman—A. B. 1916. —Resident, H. A. Kelly Hosp.

Reichert, Frederick Leet—Ph. B. Franklin and Marshall 1916—Asst. in Surg.; Asst. Res. Surg.

Roudebush, Mary Torrey—S. B. Wisconsin 1918—Interne, St. Louis (Mo.) Children's Hosp.

Scheurich, John August—A. B. Loyola 1916 — Interne, St. Joseph's Hosp. Balt.

Shackelford, John Armstrong — S. B. Hampden-Sidney 1916—Phys. Martinsville, Va.

Shellabear, Hugh Percy — A. B. Ohio Wesleyan 1912.

Shope, Edward Pierce Lentz — A. B. Dickinson 1916.—Interne, Hosp. of the P. E. Church, Phila.

Siddall, Roger Shore — A. B. North Carolina 1916—Asst. in Obstet.

Soule, Herbert Clare, Jr. — S. B. Rochester 1916—Interne, Children's Hosp. Boston.

Sprague, George Sidney—S. B. Kentucky 1916—Surg. H. O. Bridgeport (Conn.) Hosp.

Stauffer, Margery May—A. B. Toronto 1917—Phys. Toronto, Can. (1 First Av.)

Steel, David—Ph. B. Brown 1916—Res. Surg. St. Vincent's Charity Hosp. Cleveland.

Stone, Emerson Law—A. B. Williams 1916—Asst. Res. Obstet. New Haven (Conn.) Hosp.

Sullivan, Arthur George—A. B. Catholic Univ. Amer. 1916 — Physician, Hot Springs, Ark.

Tannenbaum, Norman E.—A. B. Wabash 1915—Asst. Res. Phys. Hosp. for Women, Balt.

Taylor, Margaret—A. B. Vassar 1915.—House Phys. Infirm. for Women and Children, New York.

Te Linde, Richard Wesley—A. B. Wisconsin 1917—Asst. Res. Phys.

Thomason, Thomas Herbert—A. B. Texas 1916—Interne, Johnson and Beall Hosp. Ft. Worth, Texas.

Thompson, Clara Mabel—A. B. Brown 1916—Interne, N. Y. Inf. Women & Chldn. N. Y.

Van Dyke, Eugene Nelson—S. B. Princeton 1916—R. H. O.

Wagner, Lewis Clark—A. B. Georgetown (Ky.) 1916—House Surg. Hosp. for Rupt. and Crip. N. Y.

Warinner, Algernon Storrs — A. B. Hampden-Sidney 1914—Interne, Church Home and Infirmary, Balt.

Weiner, Joseph—Ph. B. Yale 1916—Interne New Haven Hosp. Conn.

Wiese, Archibald—S. B. Princeton 1916.—Presbyterian Hosp. Pittsburgh.

Zillmer, Helen Jane—A. B. Wisconsin 1916—Physician, 7 Summer Rd., Cambridge, Mass.

Bailey, Albert Adgate — A. B. Rand.-Macon 1915 — Interne, Eliz. Buxton Hosp. Newport News, Va. (*Feb.* 22, 1921.)

Davidson, Percy Bernard—A. B. Harvard 1916—Instr. Pathol. U. of Wis. Madison. (*Feb.* 22, 1921.)

Greene, Carl Hartley—A. B. Missouri, 1914; Ph. D. Yale 1917—Fellow Mayo Clin. Rochester, Minn. (*Feb.* 22, 1921.)

Haggart, Harry Humphrey—A. B. Fargo 1914—Asst. in Laryngol. (*Feb.* 22, 1921.)

Hearn, Arthur Joseph — Ph. B. Yale 1916—Physician, Hudson, N. Y. (*June* 21, 1921.)

Hopkins, Philip Bird — A. B. Rand.-Macon 1913—Physician, Belair, Md. (*Feb.* 22, 1921.)

McClure, Crutcher — S. B. Vanderbilt 1916—Phys. Bellevue Hosp. N. Y. (*June* 21, 1921.)

Nye, Lillian Lydia—A. B. Minn. 1909 —Physician, 803 Lowry Bldg. St. Paul, Minn. (*June* 21, 1921.)

Parr, Robert Wesley—A. B. Marietta 1916 — Int. Roosevelt Hosp. N. Y. (*Feb.* 22, 1921.)

Class Secretary—William H. Funk, Navy Dept., Washington, D. C.

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1921

Abell, Harry Davis — S. B. Kentucky 1917—Interne, Jefferson Hosp. Roanoke, Va.

Albritton, Errett Cyril—A. B. Missouri 1916—Phys. Mayfield, Ky.

Allen, Fred Harold—A. B. California 1913—R. H. O.

Allen, Clyde I.—A. B. Illinois Wesleyan 1917—Interne, Henry Ford Hosp. Detroit.

Andrus, Edwin Cowles—A. B. Oberlin 1916—R. H. O.

Andrus, William DeWitt—A. B. Oberlin, 1916—Asst. in Surg.

Arthurs, Elizabeth—A. B. Vassar 1916 —Interne Hosp. for Women, Balt.

Bagley, Cecil Hopkins—A. B. 1917—R. H. O.

Baldwin, Imogen—A. B. Mt. Holyoke 1916—Interne, St. Francis Hosp. Pittsburgh.

Beck, Claude Schaeffer—A. B. Frank- and Marshall 1916—R. H. O.

Bell, Walter Andrew—A. B. Williams 1917—Interne, St. Vincent Charity Hosp. Cleveland, O.

Bergen, Ralph David—A. B. Catholic Univ. of America 1917—Interne, St. Francis Hosp. Pittsburgh.

Boyd, Edith—A. B. Colorado 1917—Interne, St. Luke's Hosp. San Francisco.

Brannan, Dorsey—S. B. West Virginia 1916—R. H. O.

Bruckman, Helen — S. B. California 1912—Interne, Worcester Mem. Hosp. Worcester, Mass.

Criscitiello, Modestino, Jr. — A. B. Princeton 1917—Interne, St. Agnes Hosp. Balt.

Cull, Severn Teackle Wallis — A. B. Princeton 1914—Physician, Adamstown, Md.

Day, Kenneth Mosier—A. B. Princeton 1917 — Interne, St. Francis Hosp. Pittsburgh.

Dodd, Katherine — A. B. Bryn Mawr 1914—R. H. O.

Douglass, Marion Drexel, Jr. — A. B. Kenyon 1917—Interne, Md. General Hosp. Balt.

Dresser, Richard—Ph. B. Brown 1916 —Asst. in Path.; Interne, City Hosp. Bay View.

Edlavitch, Ernest — A. B. 1917—Interne, Hebrew Hosp. Balt.

Emerson, Elizabeth—A. B. Bryn Mawr 1917—Interne, Children's Hosp. San Francisco.

Firor, Warfield Monroe—A. B. 1917—R. H. O.

Fitch, Clyde Marvin—S. B. Ohio Wesleyan 1917—Interne, Grant Hosp. Columbus, O.

Freeman, Robert Edward—S. B. Washington 1917—Interne, St. Luke's Hosp. N. Y.

Fry, Clarence — A. B. Ohio Wesleyan 1917—Interne, Grant Hosp. Columbus, O.

Gardner, George Henry—A. B. Wittenberg 1917—R. H. O.

Gay, Thomas Bolling, Jr.—A. B. Georgia, 1917—R. H. O.

Gellman, Moses—S. B. Richmond 1917—Interne, Hebrew Hosp. Balt.

Goff, Homer Flow—A. B. Texas 1917—Interne, Hosp. for Women Balt.

Harper, Harold Vernon — S. B. Allegheny 1916—Interne, St. Agnes Hosp. Balt.

Hart, Julian Deryl—A. B. Emory 1916—R. H. O.

Hibbitts, Josiah B., Jr.—A. B. Witliam Jewell 1916—Interne, Union Mem. Hosp. Balt.

Hitchcock, Charles Hanchett — S. B. Amherst 1918—R. H. O.

Houghton, Ira Luther—A. B. 1917; R. H. O.

Hyatt, David Taylor—A. B. Washington and Lee 1916—Interne, City Hosp. Bay View.

Ilsley, Morrill Leonard — A. B. Colby 1917—Sch. Hygiene and Pub. Health.

Jackson, Edith Banfield—A. B. Vassar 1916—Interne, Univ. Hosp. Iowa City, Iowa.

Jacobson, Arthur L.—A. B. North Dakota 1917—R. H. O.

Kellers, Irmarita—A. B. Vassar 1916—Asst. in Med.; R. H. O.

Kemp, Jarrold Elijah — A. B. Western Maryland 1917—Interne, St. Agnes Hosp. Balt.

Kendall, Ralph Emerson — S. B. Mt. Union 1917—Interne, Henry Ford Hosp. Detroit.

Kitlowski, Edward Andrew—S. B. Bucknell 1917—Interne, St. Agnes Hosp. Balt.

Kubie, Lawrence Schlesinger — A. B. Harvard 1916—R. H. O.

Lyman, Richard Sherman—A. B. Yale 1913—R. H. O.

MacCready, Paul Beattie—S. B. Princeton 1916—R. H. O.

McKay, John Archibald—A. B. North Carolina 1911 — Interne, City Hosp. Bay View.

McQuarrie, Irvine—A. B. Utah 1915; Ph. D. California 1918—Interne, Henry Ford Hosp. Detroit.

Mason, Cleon Carl — Ph. B. Grinnell 1909—R. H. O.

Molloy, James Patrick, Jr.—A. B. St. Ignatius (Chgo.) 1916—R. H. O.

Myatt, Leslie Edwin—S. B. and Phar. D. Vanderbilt 1917—Interne, Hosp. for Women, Balt.

Olch, Isaac Y.—Ph. B. Brown 1917; —Asst. in Pathol.

Panettiere, Cayetano—S. B. Washington (Md.) 1915 — Interne, Church Home and Infirmary, Balt.

Potter, James Craig—A. B. Yale 1919—R. H. O.

Price, Philip Barbour—A. B. Davidson 1917 — Interne, Union Mem. Hosp. Balt.

Putnam, Marian Cabot, Jr.—A. B. Radcliffe 1917—Interne, New Haven Hosp. New Haven.

Reichenbach, Evelyn B.—S. B. Rochester 1917 — Interne, Syracuse Hosp. Syracuse, N. Y.

Resnik, William Harry — Ph. B. Yale 1916—R. H. O.

Rice, Keith Chilton—A. B. Washington and Lee 1917—Interne, Church Home and Infirmary, Balt.

Riddick, Archibald Lockhart — S. B. Guilford 1916—Interne, Church Home and Infirmary, Balt.

Rockwell, Alice Elizabeth—A. B. Goucher 1917 — Interne, Hosp. of Peking Union Med. Coll. China.

Rosenau, William Hellman—A. B. 1917—Interne, Michael Reese Hosp. Chicago.

Ruben, David Harry—S.B. Washington and Jefferson 1917—Interne, Hebrew Hosp. Balt.

Sadler, William Paul—A. B. Arkansas 1916—Physician, Van Buren, Ark.

Scott, Winfield Wentworth—S. B. Rochester 1915—Interne, St. Agnes Hosp. Balt.

Seagrave, Gordon Stifler—A. B. Denison 1917—Interne, Union Mem. Hosp. Balt.

Shaw, Eugene Clay—A. B. Howard 1915—R. H. O.

Sheffey, Charles Phillips Mahood—A.B. Rand.-Macon 1914 — Interne, Norfolk Protestant Hosp. Norfolk, Va.

Smiley, Kenneth Edwin—S. B. Occidental 1917—Interne, Lane Hosp. San Francisco.

Sondheimer, Arthur Adler — A. B. Franklin and Marshall 1917—Interne, Hebrew Hosp. Balt.

Stiefel, Dan Max—A. B. Texas 1917—Interne, Hosp. for Women, Balt.

Sutton, Paul Windom—A. B. 1917—Interne, Union Mem. Hosp. Balt.

Tiebout, Harry Morgan—S. B. Wesleyan (Conn.) 1917—R. H. O.

Van Winkle, Charlotte C.—A. B. Smith 1914—Student, Sch. Hygiene and Pub. Hlth.

Vincent, Helen — A. B. Mt. Holyoke 1915—R. H. O.

Wallace, Silas Willard—A. B. Earlham 1917—Lakeside Hosp. Cleveland, O.

Walsh, Mary Dunne — A. B. Trinity (Catholic Univ.) 1916—Interne, Bellevue Hosp. N. Y.

Ward, Grant E.—A. B. Baldwin-Wallace 1917—R. H. O.

Weber, Roxie Adeline — A. B. Texas 1916—Interne, Hebrew Hosp. Balt.

Weech, Alexander Ashley—A. B. 1917; —R. H. O.

Woodbridge, Caspar Ligon—A.B. Princeton 1916—Interne, Presbyterian Hosp. Philadelphia.

Zinninger, Max Maser—A. B. Harvard 1917—R. H. O.

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1922

Hinton, Samuel Herbert—A. B. Emory 1916—[*January* 3]

Sun, Ko-Chi—A. B. 1918—J. H. Hosp. —[*February* 22]

Class Secretary — William Paul Sadler, Jr., Van Buren, Ark.

Doctor of Public Health

1919

Ferrell, John Atkinson — S. B. North Carolina, 1902, M. D. 1907—Director for U. S. Internat. Health Board, N. Y. (61 Broadway)

1920

Souza, Geraldo Horacio de Paula — Pharm. D. São Paulo School of Pharmacy 1908; M. D. Rio Janeiro 1913—Assoc. Prof. Hygiene, Faculdade de Medicina, São Paulo, Brazil.

Vieira, Francisco Borges — B. Sc. e Lett. São Paulo Gym. 1911; M. D. Rio Janeiro 1917—Instr. Hygiene, Faculdade de Medicina, São Paulo, Brazil.

(2)

1921

Atwater, Reginald Myers—A. B. Colorado Coll. 1914; M. D. Harvard 1918; C. P. H. 1920—Hunan-Yale Med. Sch. Changsha, China.

Bailey, Garland Howard—S. B. West Va. 1915; M. D. 1920—Instr. Pathol. and Bacterial. Univ. of Wisconsin, Madison.

Brown, Orville Graham—M. D. Columbia 1900—Lieut.-Col. Med. Corps, U. S. A.; Chief of Section Hygiene and Sanitation, Infantry Officers Sch. Camp Benning, Ga.

Doull, James Angus—Dalhousie (A. B. 1911, M. D. C. M. 1914); D. P. H. Cambridge 1919—Assoc. Epidemiol.

Dunham, George Clark—M. D. Oregon 1914—Major, Med. Corps, U. S. A., Surgeon General's Office, Washington.

Ellicott, Valcoulon LeMoyne — S. B. Mass. Inst. Tech. 1916; M. D. 1920—Interne, Willard Parker Hospital, New York.

Lim, Chong Eang—M. B. and S. M. Hong Kong Univ. 1916; D. T. M. Liverpool Sch. of Trop. Med. 1921—Volunteer Asst. Immunol.

Maxcy, Kenneth Fuller—A. B. George Washington 1911; M. D. 1915—Asst. Surg. U. S. P. H. S. Memphis, Tenn.

Nauss, Ralph Welty—S. B. Ohio State 1901; M. D. Northwestern 1905; D. P. H. Univ. of Pa. 1916; Asst. Epidemiologist, State Dept. of Health, Springfield, Ill.

Oldt, Frank — A. B. Otterbein 1901; M. D. Ohio. Med. 1905—Med. Missionary, United Brethren Mission, Sin Lam near Canton, China.

Padua y Gaerlan, Regina—Univ. of Philippines (M. D. 1915, D. T. M. 1918 — Philippine Health Service, Manila.

Szymanski, John Joseph — A. B. St. John's (Brooklyn) 1910; M. D. 1914 —Physician, Passaic, N. J.

Whitmore, Eugene Rudolph—S. B. Wisconsin 1896; M.D. Illinois 1899; Lieut. Col. U. S. A. Retired—Prof. Bacteriol. Clin. Micros. and Preventive Med. George Washington Univ.

Williams, George Huntington — A. B. Harvard 1915; M. D. 1919—Sanitary Supervisor, State Dept. of Health, Albany, N. Y.

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1922 (February 22)

Abriol, Rufino — M. D. Illinois 1913; D. T. M. Univ. of Philippines 1916; C. P. H. 1921; U. S. P. H. S. (Quarantine) Manila.

Meehan, John William—A. B. St. Mary's (Kans.) 1904; M. D. Creighton 1908 —Major, Med. Corps, U. S. A.; Sanitary Inspector, Seventh Training Area, Fort Snelling, Mich.

Doctor of Science in Hygiene

1920

Salter, Raymond Cleveland—S. B. Wisconsin 1915; S. M. Iowa State 1918—Bacteriologist, Md. State Dept. of Health; Inst. Bacteriol.

1921

Smith, Homer William—A. B. Denver 1917—Research Chemist, Eli Lilly Co. Indianapolis.

1922 (February 22)

Miner, John Rice—A. B. Mich. 1913; —Assoc. Biometry and Vital Statis.

Bachelor of Science in Hygiene

1920

Barrett, Edith Margaret Jane—Tennessee Dairies, Dallas, Texas.

1921

Cox, Charles Raymond—Sanitary Eng., Internat. Health Bd., Memphis, Tenn.

Goodwin, Winifred Anderson — A. B. Mich. 1914—Grosse Ile, Mich.

Koch, Marie Louise—Junior Physiologist, Chem. Warfare Service, U. S. A. Edgewood, Md.

Shelling David Henry — Med. Student, Yale.

(4)

Certificate in Public Health

1920

Anderson, Charles Magee—M. D. C. M. McGill 1916—Bacteriologist, Provincial Board of Health, Toronto, Can.

Atwater, Reginald Myers—A. B. Colorado Coll. 1914; M. D. Harvard 1918; D. P. H. 1921—Hunan-Yale Med. Sch. Changsha, China.

Bernard, Zdenek—M. D. Prague 1914—Health Officer, Moraska Ostrava, Czechoslovakia.

Cornelius, James Thambidurai—A. M. and M. D. Cincinnati 1919—Public Health Work in India; Reed's Christian Coll. Lucknow, India.

Driml, Karel—M. D. Prague 1914—Health Officer, Bereshais, Czechoslovakia. (4)

1921

Abriol, Rufino—M. D. Illinois 1913; D. T. M. Univ. of Philippines 1916; D. P. H. 1922; U. S. P. H. S. (Quarantine), Manila.

Grant, John Black—A. B. Acadia 1912; M. D. Mich. 1917—Member Staff, Internat. Health Bd.; Assoc. Prof. Public Health and Hygiene, Peking Union Med. Coll. China.

Leach, Charles Nelson—A. B. Stanford 1909, M. D. 1913—Senior Field Director, Internat. Health Bd. Manila.

Newman, Gladys—A. B. Oberlin 1917—Buffalo, N. Y. (215 Parkdale Av.)

Pedley, Frank Gordon—A. B. McGill 1913, M. D. C. M. 1916—Epidemiologist, State Bd. of Health, Topeka, Kans.

Vides, Ricardo Rivas—S. B. El Salvador Inst. 1906; M. D. El Salvador Univ. 1916.

(6)

MASTER OF ARTS

1914

Barroll, Lewin Wethered—A. B. Washington Coll. 1908, Yale 1910; LL. B. Univ. of Md. 1912—Atty. at Law, Balt. (Continental Bldg.)—(*Political Sci.*)

Branham, Lucy Gwyn—A. B. Washington Coll. 1911; Instr. Hist. Southland Sem. Fla. 1914-15—(*History*)

Buckler, Leslie Hepburn—A. B. 1912—Atty. at Law, N. Y. (142 E. 18th St.)—(*Political Science*)

Caldwell, Clinton Coppage—A. B. Roanoke 1905—(*Political Economy*)

Dunn, Grace Adelaide—Ph. B. Hamline 1909; Ph. D. 1915—Princeton, Minn.—(*Botany*)

Fox, Early Lee—A. B. Rand.-Macon 1909; Ph. D. 1917—Prof. Hist. Randolph-Macon College, Ashland, Va.—(*History*)

Gorton, Arthur Feddeman (F)—A. B. 1912, Ph. D. 1915, Instr. 1916-17; Instr. Univ. of Minn. 1915 16—Cleveland, O. (7706 Platt Av. S. E.)—(*Physics*)

Koontz, Louis Knott—A. B. Washington and Lee 1908; Ph. D. 1920; Dean and Prof. Davis and Elkins 1914-17—Development Specialist in Gen. Educ. U. S. A. Manila—(*History*)

Lilly, Marie Loretto (F)—A. B. Notre Dame (Md.) 1900; Ph. D. 1916; Instr. Mt. St. Agnes Coll. 1916-17—Instr. English, Dominican Coll. San Rafael, Cal.—(*English*)

Martin, Edward Duffield—A. B. 1911; LL. B. Univ. of Md. 1913—Atty at Law, Balt. (907 Fidelity Bldg.)—(*Political Science*)

Mirza, Youel Benjamin—Ph. D. 1920—E. Orange, N. J. (68 Evergreen Pl.)—(*Political Science*)

Ranft, Charles Frederick—A. B. 1902—Instr. Hist. Balt. Polytech. Inst.—(*History*)

Sturdy, Henry Francis—A. B. St. John's 1906—Prof. Hist. Naval Academy, Annapolis—(*History*) (13)

1915

Clarke, Rev. Jack Holman—A. B. Presbyterian Coll. (S. C.) 1905; B. D. Union Theol. Sem. (Va.) 1908—Phila. (3343 N. 20th St.)—(*Philosophy*)

Cohen, Teresa (F)—A. B. Goucher 1912; Ph. D. 1918; Alice Freeman Palmer Fellow 1918-19—Instr. Math. State Coll. Pa.—(*Mathematics*)

Dickey, Robert William—Wash. and Lee (S. B. 1910, A B. 1911); Ph. D. 1916—Assoc. Prof. Physics, Wash. and Lee, Lexington, Va.—(*Physics*)

Galloway, James Neville—A. B. Rand.-Macon 1908—Instr. Naval Acad. Annapolis—(*Mathematics*)

Gressitt, James Fullerton—A. B. 1906—Princ. Duncan Acad. Tokyo, Japan—(*Education*)

Hughes, William Brant—A. B. Ohio Northern 1909; Instr. 1918-19—Prof. Physics, Asbury Coll. Wilmore, Ky.—(*Physics*)

Johnson, Buford Jennette—A. B. La Grange Coll. (Ga.) 1895; Peabody Scholar 1915-16; Ph. D. 1916—Assoc. Prof. Psychol.—(*Education*)

Murphy, Herbert Hayes—A. B. West. Md. 1897; Prof. Md. State Normal School 1914-17—Supt. of Schools, Hastings-on-Hudson, N. Y.—(*Education*)

Rather, James Burness—S. B. Texas A. and M. Coll. 1907—Prof. Agric. Chem. Univ. of Ark. Fayetteville—(*Chemistry*)

Roberts, Joe Kent—Emory and Henry Coll. (A. B. 1910, Prof. Geol.), Emory, Va.; Grad. Student—(*Geology*)

Spielman, William Carl—A.B. Cincinnati 1905—Assoc. Prof. Hist. etc., Carthage Coll. Ill.—(*History*)

Thompson, Edith Viola—A. B. Goucher 1909—Instr Math. Wilkes-Barre Acad. Pa.—(*Mathematics*)

(12)

1916

Branham, Grace Bagnall—A. B. Bryn Mawr 1910; Ph. D. 1917—Colwich, England—(*English*)

Burka, Samuel Moses—A.B. 1913, Ph.D. 1919—Physicist, McCook Aviation Field, Dayton, O.—(*Physics*)

***Chinda, Masuyo**—A. B. Meija Univ. 1913—(*Political Economy*)—**April 25, 1916*

Crum, Earl Le Verne—A. B. St. John's 1913; Instr. Univ. of Rochester 1916-18—Athens, Pa.—(*Latin*)

Dotterer, Ray Harbaugh—Ph. B. Franklin and Marshall 1906; Ph. D. 1917—Clergyman, State Coll. Pa.—(*Philosophy*)

Hill, Hinda Teague—A. B. and L. I. Nashville 1903; Prof. Romance Lang. N. C. State Norm. Sch. 1908-19—Los Angeles, Cal. (3620 4th Av.)—(*French*)

Johnson, Elizabeth Friench (F)—A. B. Goucher 1911; Ph. D. 1917—Instr. German, Sweet Briar Coll. Sweet Briar, Va.—(*German Lit.*)

Mohler, Fred Loomis—A. B. Dickinson 1914; Ph. D. 1917—Washington (1329 Belmont St. N. W.)—(*Physics*)

Riley, Cathryn Vedalia—A. B. Wellesley 1912; S. B. Cornell 1916—Med. Student—(*Bacteriology*)

Scharf, Carl (F)—A. B. 1914—Balt. (914 N. Stricker St.)—(*German Lit.*)

Sykes, Philip Louis—A. B. 1908; LL. B. Univ. of Md. 1911—Atty-at-Law, Balt. (208 E. Lexington St.)—(*Political Science*)

Voss, Vivian — Transvaal Univ. Coll. (A. B. 1913, now Lecturer); Ph. D. 1917—Pretoria, S. Africa—(*Physics*)

Withers, Alfred Miles—A. B. Wash. and Lee 1906; Prof. Millsaps Coll. 1915 16, Davidson Coll. 1916-18; Assoc. Southern Methodist Univ. 1918-19—Prof. Univ. of Tenn. Knoxville — (*French*) (13)

1917

Bayne-Jones, Stanhope — A. B. Yale 1910; M. D. 1914 — Assoc. Prof. Bacteriol.—(*Pathology*)

Blalock, Hubert Morse—A. B. Univ. of N. Carolina 1916—Richmond, Ind.—(*Political Science*)

Castleman, Robert Allen, Jr.—A. B. George Washington 1915; Ph. D. 1921—Bureau of Standards, Washington —(*Physics*)

Dunlap, John Knisely—A. B. Albright 1914—Yardley, Pa.—(*History*)

Gover, Mary—A. B. Goucher 1913—Asst. Biometry, etc.—(*Zoology*)

Greene, Elizabeth—A. B. Smith 1913—New York (96 McDougal St.)—(*Education*)

Guerrant, Sallie Adelaide—A. B. Centenary (Tenn.) 1896—Instr. High Sch. Petersburg, Va.

Hull, Joseph Poyer Deyo—Ph. B. Hamilton 1913—Oil Refining Corp. Shreveport, La.—(*Geology*)

Smallwood, Julian Chase—M. E. Columbia 1903—Assoc. Prof. Mech. Eng.—(*Mechanical Engineering*)

Tarr, Frederick Courtney—A. B. 1915—Grad. Student, Princeton—(*Spanish*)

Wan, George—A. B. Government Univ. of Peking 1912—Univ. of Peking, China—(*Political Science*)

Welsh, Helen Dorothy (Mrs. H. M. Blalock)—Goucher (A. B. 1915, and Instr. Hist.)—Richmond, Ind.—(*History*)

Wilcox, Jean Curley—A. B. Goucher 1915—Instr. Mt. Holyoke Coll. Mass. —(*French*) (13)

1918

Cloud, John H.—Valparaiso Univ. (A. B. 1896, late Prof.) — Prof. Physics, Okla. A. & M. Coll. Stillwater. —(*Physics*)

Coffin, Harrison Cadwallader—A. B. 1916, Ph. D. 1920, Rogers Fellow 1919-20—Instr. Union Coll. Schenectady, N. Y.—(*Latin*)

Dallam, Mary Theresa—B. S. 1916—Instr. Western High School, Balt.—(*English*)

Diggs, Eleanor—A. B. Goucher 1915—Roland Park, Balt.—(*History*)

Dryden, Hugh Latimer—A. B. 1916, Ph. D. 1919—Bureau of Standards, Washington, D. C.—(*Physics*)

Dulac, Victor—A. B. George Washington 1915; Ph. D. 1920—Instr. Romance Lang. Coll. of Notre Dame, Balt.—(*French*)

Hartman, Anabel Eugenia (F)—A. B. Goucher 1908; Instr. Univ. of Illinois 1918-20—Instr. Coll. of Notre Dame, Balt.; Grad. Student—(*English*)

Owens, James Herbert—A. B. Rand.-Macon 1904—Princ. High School, Newark, Del.—(*Education*)

Pelton, Nellie Frances—A. B. Oberlin 1912—Instr. Concordia Coll. Moorhead, Minn.—(*English*)

Richardson, Dorsey—A. B. 1915; Ph. D. 1920—State Dept. Washington—(*Political Science*) [*Feb.* 22, 1918.]

Smead, Jane Van Ness—A. B. Univ. of Paris 1916; Ph. D. 1921—Instr. Wells Coll. Aurora, N. Y.—(*French*)

Smith, Lucile Douglas—A. B. Transylvania Univ. 1904—Instr. Ward-Belmont Sch. Nashville, Tenn.—(*English*)

White, William Harry Hazard—A. B. Harvard 1905—Supt. of Schools, Seaford, Del.—(*Education*) (13)

1919

Angel, William Piper—A. B. Tennessee 1903; Prof. Univ. of Ky. 1919-20; Instr. Univ. of Pittsburgh 1920-21; Instr. 1917-18—Instr. Tulane Univ. New Orleans.—(*Physics*)

Behrens, Kathryn Laura—A. B. Goucher 1917; Ph. D. 1921—Balt. (3703 Piedmont Av.)—(*History*)

Engle, Margaret Lorraine—A. B. New Windsor 1911 — Washington (3204 18th St. N. W.)—(*History*)

Fraser, Alexander David—A. B. Dalhousie 1910—Dalhousie Univ. Halifax, Can.—(*Classical Archaeol.*)

Harrison, Mary Ella—Ph. B. Chicago 1910—Instr. Western High School, Balt.—(*Classical Archaeol.*)

Sister M. Xavier (Higgins)—A. B. Mt. St. Agnes (Md.) 1913—Mt. St. Agnes Coll. Mt. Washington—(*Education*)

Sister M. Pius (Hyland)—A. B. Mt. St. Agnes (Md.) 1906—Mt. St. Agnes, Coll. Mt. Washington—(*History*)

Miller, Meta Helena—A. B. Goucher 1917—Instr. Wells Coll. Aurora, N. Y. 1919-21—Grad. Student—(*French*)

Sister M. Placide (Thomas)—A. B. Mt. St. Agnes (Md.) 1903—Mt. St. Agnes, Coll. Mt. Washington—(*Mathematics*) (9)

1920

Bates, Robert Lee—LL. B. West Va. 1912 and A. M. 1915 — Asst. Prof. Psychol., Va. Mil. Inst. Lexington—(*Education*)

Breit, Gregory (F)—A. B. 1918, Ph. D. 1921—Fellow, Nat. Research Council, Leyden, Holland—(*Physics*)

Burgee, Clyde Elmore—A. B. West Md. 1914—Instr. Econ. Univ. of Montana, Missoula—(*Economics*)

Clemens, Maynard Arthur — B. S. Teachers Coll. Columbia 1913—Director, Sch. of Commerce, Univ. of Md. Balt.—(*Education*)

Flagg, William Junkin—A. B. Wash. and Lee 1913—Instr. Balt. Polytech. Inst.—(*English*)

Grape, Jacob—B. S. 1918—Balt. (323 E. 22d St.)—(*Education*)

Hoke, Elmer Rhodes—A. B. Franklin and Marshall 1913—Prof. Education, Hood Coll. Frederick, Md.; Grad. Student—(*Education*)

Lednum, Margaret Irene—A. B. Goucher 1916 — Balt. (Tuscany Apts.) — (*French*)—[*February* 23]

Rosen, Raphael — A. B. 1916—Balt. (2016 Madison Av.)—(*Chemistry*)

Visscher, John Paul—A. B. Hope Coll. 1917—Instr. Zool. Washington Univ. St. Louis—(*Zoology*)

Wensel, Henry Theodor—A. B. Washington Univ. 1917—Instr. Physics—(*Physics*)

Willis, Henry Stuart—A. B. North Carolina 1914; M. D. 1919—Instr. Medicine—(*Zoology*)

(12)

1921

Beardsley, Grace Hadley—A. B. Vassar 1917—Grad. Student—(*Class. Archaeology*)

Sister M. Benedicta (Carney)—A. B. Mt. St. Agnes 1916—Mt. St. Agnes Coll. Balt.—(*Latin*)

Crooks, Esther Josephine—Ph. B. Denison 1909—Instr. Goucher Coll.; Grad. Student—(*Spanish*)

Easterwood, Helen Cullum—A. B. Allegheny 1918—Meadville, Pa. (961 S. Main St.)—(*Economics*)

Ebaugh, Mary Olive — A. B. Goucher 1907—Princ. High School, Catonsville, Md.—(*Education*)

Froelicher, Francis Mitchell—A. B. Haverford 1913—Balt. (Tramore Road, Hamilton)—(*Education*)

Sister M. Catherine (Gurry)—A. B. Mt. St. Agnes 1916—Mt. St. Agnes Coll. Balt.—(*English*)

Hayes, Edward Pearce—A. B. 1916—Missionary, Foo-Chow, China—(*Education*)

Hopper, Katharine Baird—A. B. Goucher 1919—Balt. (1405 John St.)—(*Economics*)

Ibara, Yashushi — A. B. Rand.-Macon 1917—Balt. (2026 Huntingdon Av.)—(*Zoology*)

McDougall, Helen Denton—A. B. Wells 1919—Westfield, N. J. (214 Ross Pl.)—(*Economics*)

Mechanic, Morris Abel—A. B. 1918—Balt. (2 N. Broadway)—(*Economics*)

Muller, Elizabeth Elmer—A. B. Goucher 1919—Balt. (818 W. North Av.)—(*Economics*)

Palmer, George David, Jr.—B. S. Clemson 1919—Instr. Chem. Guilford Coll. N. C.—(*Chemistry*)

Persons, Elizabeth—A. B. Wells 1916 — Linthicum Heights, Md. — (*Class. Archaeology*)

Schad, Harry—B. S. 1917—Instr. Balt. City Coll.—(*Education*)

Schaenzlin, Gottlieb—A. B. Baldwin-Wallace 1905 — Clergyman, Balt.; Grad. Student—(*Sanskrit*)

Schneidereith, Helene Mathilda—A. B. Goucher 1918—Balt. (4110 Springdale Av.)—(*Economics*)

Small, George William—A. B. Tennessee 1916—Grad. Student—(*English*)

Wight, Carol Van Buren—A. B. 1919—Rogers Fellow—(*Latin*)

Wolf, Carl George—A. B. Capital Univ. 1907—Clergyman, Balt.; Grad. Student—(*Psychology*)

(21)

Master of Engineering

1921

Inouye, Noboru—Univ. of Kyoto 1918—Prof. Imperial Univ. of Kyoto, Japan—(*Electrical*)

1922 (February 22)

Bryan, Guy Lee, Jr.—B. S. in Eng. 1917—Instr. Civil Eng.—(*Civil*)

Bachelor of Arts

1914

Barton, Alexander Kirkland—Oxford (Rhodes Scholar 1919-21, B. D. 1921—Clergyman, Balt.

Bowden, David Thomas, Jr.—M. D. 1918—Passaic, N. J.

Bridgman, Victor Horace, Jr. — Balt. (4217 Wickford Rd.)

Catlin, Herbert Edgar—Gen. Theol. Sem. N. Y. 1921—Clergyman, Manila, P. I.

Chenoweth, Laurence Benjamin—M. D. 1919—Dept. of Hygiene, Univ. of Cincinati, O.

Coblentz, Richard Gilmore — M. D 1918—Res. Phys. Church Home and Infirm. Balt.

Corner, Henry Evans — Balt. (212 Ridgewood Rd.)

Davis, Francis Asbury—Balt. (Belvieu-Manchester Apts.)

Donoho, Edmond Shepard—Balt. (18 N. Charles St.)

Dorsey, George Edwin (F) — Ph. D. 1918—Geologist, Tulsa, Okla. (215 W. 12th St.)

Dorsey, John Lanahan—M. D. 1918—Asst. Res. Physilcian.

Everton, Wallace Roylance—Gen. Theol. Sem. (N. Y.) 1917 — Clergyman, Phila. (2013 Appletree St.)

Geissel, Walter Frederick — Goodyear Rubber Co. San Francisco.

Getz, Lawrence — M. D. 1918 — Phys. Balt. (1111 W. Lanvale St.)

Gminder, Albert Roland—Instr. Balt. City Coll.

Hahn, Frederick Adam—Teacher, Balt. (112 Augusta Av.)

Hammond, Albert Lanphier (F)—Instr. Philos. 1919-21—Balt. (2315 Maryland Av.)

Herman, Nathan Bernard—M. D. 1918—Asst. Res. Phys.

Hollyday, Guy Tilghman Orme—Mortgage Guar. Co., Balt.

Howell, Roger (F)—Ph. D. 1917—Atty. at Law, Balt. (1403 Fidelity Bldg.)

Keiser, Samuel Jacob—Brooklyn, N. Y. (1330 47th St.)

Lauchheimer, Malcolm Horace—Ph. D. 1917—Atty. at Law, Balt. (207 N. Calvert St.)

Leibensperger, Raymond—Chief Geologist, Transcontinental Petrol. Co., Tampico, Mexico.

***Leland, Frank Kimball**—*February* 26, 1918.

Levy, Charles Sumner—M. D. 1918—Chief Surg. Res. Hebrew Hosp. Balt.

***Lynch, Vernon**—Ph. D. 1918; Asst. Physiol. 1916-18—**July* 25, 1918.

Nachlas, Israel William—M. D. 1918—Asst. Clin. Orth. Surg.

Penniman, John Alexander Dushane—Atty. at Law, Balt. (Fidelity Bldg.)

Porter, Clarence Chipley—M. D. 1918.—Phys. San Francisco.

Powers, Donald Wales—Princ. High Sch. Sandy Spring, Md.

Randall, Blanchard, Jr.—Melvale, Md.

Rice, John Hubner—Atty. at Law, Balt.; Member, Md. House of Delegates.

Richmond, Harry Walker — Princeton Theol. Sem. 1917—Clergyman, Balt. (1319 W. Fayette St.)

Sachs, Louis—M. D. 1918 — Hebrew Hosp. Balt.

Schaffer, Aaron (F)—Ph. D. 1917, Asst. 1916-19—Instr. French, Univ. of Texas, Austin.

Scharf, Carl (F)—A. M. 1916—Balt. (914 N. Stricker St.)

Schoenewolf, Arthur Martin — Catonsville, Md.

Simpson, Kemper—Ph. D. 1917—Bureau of Markets, Dept. of Agric.

Sinclair, Joseph Clement — Clergyman, Fowblesburg, Md.

Snyder, Charles Irvin—Balt. (711 Reservoir St.)

Steinmuller, Karl Josef—Med. Student.

Stiebel, Harold Leo—Balt. (2009 Callow Av.)

Supplee, Cochran—Balt. (U. S. F. & G. Co.)

Sutton, Walter Degges — Missionary, Tavoy, Burmah.

del Valle, Carlos M.—

Weber, Carl Jefferson—Oxford (Rhodes Scholar 1914 17, A. B. 1917, A. M. 1920); Asst. 1920 21—Instr. English, U. S. Naval Acad. Annapolis.

***Wells, Clifford Almon**—Canadian Army 1914-17—**In action in France*, 1917.

White, Steuart D'Ohl—Garrett Bibl. Inst. 1917—Clergyman, Denver, Colo. (1312 S. Gaylord St.)

Whitehill, Milford Henry—Balt. (2036 Eutaw Pl.)

Wilkins, Lawson—M. D. 1918—Phys. Balt. (1014 St. Paul St.)

Yost, John Stevenson Long—Atty. at Law, Balt. (1403 Fidelity Bldg.)

Treide, Henry Ernest—Balt. (21 Hopkins Pl.) (Class of 1904)—[*Degree conferred October* 14, 1914.]

(52)

1915

Baker, William Addison, Jr.—Transcontinental Petrol. Co., Tampico, Mexico.

Baroway, Moses—Rabbi, Wilmington, Del. (513 McCabe Av.)

Bartlett, Joseph Thomas, Jr. — Greenfield, Mass.

Biser, Daniel Benton—Balt. (3710 Reisterstown Rd.)

Brinton, Wilmer, Jr.—Balt. (1232 N. Calvert St.) [*Oct.* 15, 1915.]

Brooks, Arthur Edward—Instr. McKendree Coll. 1915-17 — Grad. Student, Univ. of Chicago.

Cohn, Leopold Clarence—M. D. 1919—Surg. Balt. (2011 Eutaw Pl.)

Cole, Raymond Kenmore—Hercules Powder Co. Brunswick, Ga.

Deems, Charles Everard—Rochester Theol. Sem. 1918; Clergyman, New Brunswick, N. J.

De Witt, John—Roland Park, Balt. (510 Wilmslow Rd.)

Ebaugh, Franklin Gessford—M. D. 1919—Interne, N. J. State Hosp. Trenton.

Eiseman, Millard—Atty. at Law, Chicago (600 The Temple).

Ford, Frank Rodolph—M. D. 1920—Interne, Phipps Psych. Clinic.

Hall, George Martin—Grad. Student.

Hilgartner, Andrew Henry—Balt. (Homewood Apts.)

Hutzler, Joel Gutman David—Balt. (210 N. Howard St.)

Levinson, Charles William—Asst. Examiner, Patent Office, Washington

Lindau, Norman C.—Balt. (1800 Eutaw Pl.)

Merrick, William Spedden—Balt. (Keyser Bldg.)

***Nicholson, Norman Clive** — **Feb.* 16, 1920.

Niles, Alfred Salem, Jr.—Engineer, McCook Field, Dayton, O.

Perkins, Alvin Thomas — Clergyman, Balt. (1006 S. Ellwood Av.)

***Prince, Edmund Howard**—Lieut. U. S. A. **In action in France.*

Richardson, Dorsey—A. M. 1918; Ph. D. 1920—State Dept. Washington—[*Oct.* 15, 1915.]

Sacks, Benjamin—M. D. 1919—Fellow, Mt. Sinai Hosp. N. Y.

Short, John Saulsbury—Balt. (38 E. 25th St.)

Smith, Rush Wiley—Clergyman, Hallowell, Me.

Spencer, Emmette Rigdon—Clergyman, Annapolis.

Stewart, Harold Julian—M. D. 1919—Bingham Fellow in Med.

Swartz, Joel Howard (F)—Instr. McKendree Coll. 1915-16—Instr. Geol.

Tarr, Frederick Courtney—A. M. 1917. —Grad. Student, Princeton.

Thompson, Stephen Ignatius — Balt. (712 N. Calhoun St.)

Troxell, Thomas Franklin—Balt. (3312 W. North Av.)

Uhler, Claud Irving—M. D. 1919—Phys. Dallas, Tex.

Voshell, Allen Fiske—M. D. 1919—Asst. 1919-21—Instr. Orthoped. Surg. Univ. of Va.

Warren, Avra Melvin—U. S. Consul, Karachi, India.

Weech, Charles Sewell — Balt. (5512 York Rd.)

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1916

Aler, Robert Edward Foster—Rochester Theol. Sem. 1919—Balt. (911 N. Carrollton Av.)

Baer, Ridgely Waters—M. D. 1920—Interne, J. H. Hosp.

Bagley, Myron Everhart—Kansas City, Mo. (15 W. 10th St.)—[*Oct.* 3, 1916.]

Beck, Nathaniel Munroe—Balt. (2322 N. Calvert St.)

Bell, Frederick Keller—Ph. D. 1920.—Asst. in Pharmacol.

Coffin, Harrison Cadwallader — A. M. 1918, Ph. D. 1920, Rogers Fellow 1919-20—Instr. Union Coll. Schenectady, N. Y.

Cromwell, Guy Nelson—M. D. 1920—H. A. Kelly Hosp. Balt.

Dryden, Hugh Latimer—A.M.1918,Ph.D. 1919—Bureau of Standards, Washington.

Fader, Ira Brownold—Balt. (210 E. Balt. St.)

Fricke, Robert Elmer—M. D. 1920—Res. H. A. Kelly Hosp. Balt.

Friedenwald, Jonas Stein—M. D. 1920—Phys. Balt. (1029 Madison Av.)

Gichner, Manuel Gutman—M. D. 1920—Phys. Balt. (1516 Madison Av.)

Hale, Robert William—

Hardy, Arthur Alexander — Evansville, Ind. (Bernardin Apt.)

Hayes, Edward Pearce—A. M. 1921—Missionary, Foo Chow, China.

Helfrich, Oregon Benson (F)—Ph. D. 1920—Chemist, DuPont Co. Arlington, N. J.

Ludington, George Franklin—LL. B. Harvard 1920—Atty. at Law, N. Y. (32 Liberty St.)

McCormick, Miles Hutchinson—Student, Union Theol. Sem. N. Y.

McDowell, Clarence Whitford—Philadelphia (The Manheim).

Melamet, Karl—Instr. Balt. Poly. Inst.; Grad. Stud.

Milburn, Page, Jr.—

Primrose, Arthur Chipman—M.D. 1920. —Res. H. A. Kelly Hosp. Balt.

Rosen, Raphael — A. M. 1920 — Balt. (2016 Madison Av.)

Rosenthal, Emil—Balt. (Linden Av. and Chauncey St.)

Spieker, Edmund Maute—Ph. D. 1921 —U. S. Geol. Survey, Washington.

Stargardter, Albert Rosenstock — Balt. (Marlboro Apts.)

Tinges, Charles Howard—Balt. (1305 Linden Av.)

Tingley, Thomas Jay—Atty. at Law, Balt. (Continental Bldg.)

Wade, Ira Owen—Late Prof. Marietta Coll.—Grad. Student, Princeton. [*Oct.* 3, 1916.]

(29)

1917

Bagley, Cecil Hopkins—M. D. 1921—R. H. O.

Baker, Lawrence Henry (F)—Ph. D. 1920—Instr. Greek.

Brooks, James Vincent, Jr.—Balt. (3314 Alto Ave.)

Brower, Albert P.—Balt. (Hamilton).

Chen, Ho-Chin—Instr. High Normal School, Nanking, China.

Conn, Bernard Herman—Balt. (700 Md. Trust Bldg.)

Cushing, Thomas Morris—Instr. English 1917-21—Woodbrook, Md.

Davis, Allan Conradt—Balt. (1701 Park Av.)

Dawson, Frank William—Balt. (207 N. Carey St.)

Doermann, John Emil Andrew—B. D. Capital Univ. 1920—Clergyman, Lancaster, O. (211 E. Main St.)

Durr, William Bantz—Balt. (1909 Longwood St.)

Edgett, Eugene Albert—Atty. at Law, Balt. (901 Md. Trust Bldg.)

Edlavitch, Ernest—M. D. 1921—Interne, Hebrew Hosp. Balt.

Firor, Warfield Monroe—M. D. 1921—R. H. O.

France, Robert—Balt. (219 W. Lanvale St.)

Frank, Harry Ferdinand William—Balt. (Hamilton.)

Gontrum, Thomas McCauley — Raspeburg, Md.

Gorman, Howard Jennings—Lieut. U. S. Artillery.

Hall, Frederick Parrot—Balt. (U. S. F. & G. Co.)

Hobelmann, Herman August—Balt. (Ten Hills)

Houghton, Ira Luther—M. D. 1921—R. H. O.

Hurwitz, Chester Ezekiel—Balt. (900 E. Lombard St.)

Knipp, John Christian—Balt. (343 N. Charles St.)

Loague, Walter Cecil—Student, Garrett Bibl. Inst. Evanston, Ill.

McKewen, William Archibald — Balt. (1508 John St.)

Merrick, Robert Graff—Grad. Student.

Mowbray, John McConkey—Roland Park Co. Balt.

Naylor, Louis Hastings—Belgian Relief Fellow, Liege 1920-21—Grad. Student.

Oppenheimer, Reuben—LL. B. Harvard 1921—Atty. at Law, Balt. (626 Equitable Bldg.)

Pitt, Charles Gordon—Balt. (200 E. Preston St.)

Roop, John Daniel, Jr.—B. S. in Eng. 1917—Linwood, Md.

Rosenau, William Hellman—M. D. 1921 —Interne, Michael Reese Hosp. Chicago.

Scarborough, Harold Ellicott—Corr. *N. Y. Tribune,* London, Eng.

Shaw, Edwin Orville—Balt. (2200 Poplar Grove St.)

Skinner, William Howser — Student, of Law, Univ. of Md.; Balt. (301 Roland Av.)

Smith, Edmund Law Rogers—Balt. (Rochambeau Apts.)

Smith, Randolph—Balt. (103 W. Monument St.)

Smith, Wesley Royston—Glenarm, Md.

Steinbach, Alexander Alan—Balt. (114 S. Chester St.)

Sutton, Paul Windom—M. D. 1921—Interne, Union Memorial Hosp. Balt.

Weech, Alexander Ashley—M. D. 1921 —R. H. O.

Wilson, Francis Howard—Wilna, Md.

(42)

1918

Breit, Gregory (F)—A. M. 1920, Ph. D. 1921 — Fellow, Nat. Resch. Council, Leyden, Holland. [*Degree conferred Oct.* 1, 1918.]

Bryan, Cecil Austin—2d Lt. U. S. A.

Chalmers, Allan Knight—Student, Yale Divinity Sch., New Haven.

Chu, Jennings Pin-Kwei—Grad. Student, Columbia Univ.

Cover, Millard James—Denver, Colo. (165 Franklin St.)

Eby, James Brian—Grad. Student.

Golder, Archibald—Balt. (3508 Fairview Av.)

Hall, Cayton Morris—Grad. Student.

Hamburger, Adolf Lawrence — Balt. (2315 Eutaw Pl.)

Hoffman, William Samuel—Grad. Student.

Jarrett, Edwin Bosley—Med. Student.

Knoop, Johann Hinrich—Germany.

Kohn, Bernard Louis Benno—Mt. Washington, Balt.

Lenhard, Raymond Early—Med. Student.

Levy, Isidore Irvin—Med. Student.

Levy, Lester Stern—Balt. (2352 Eutaw Pl.)

Love, William Samuel, Jr.—Balt. (836 W. North Av.)

McGuigan, Cletus Edmund—Med. Student.

Mechanic, Morris Abel—Balt. (2 N. Broadway.)

Merryman, Lewis Carl—Towson, Md.

Michelson, Israel David—Med. Student.

Miegel, Charles Hermann—Balt. (2401 Frederick Av.); Grad. Student.

Miller, Jay Jefferson—Balt. (Esplanade Apts.)

Morley, Frank Vigor—Rhodes Scholar, Oxford, England.

Neuhausen, Benjamin Simon—Ph. D. 1921—Instr. Physiol.

Norris, Grover William—Teacher, Balt. (1802 N. Fulton Av.)

Rothschild, Morton Kahn—Law Student, Harvard (47 Weld Hall)

Sanner, J. Everett—Med. Student.

Sapp, Charles Daniel—Clergyman, Balt. (1324 N. Caroline St.)

Smith, David Petit, Jr.—Instr. Math. Tome Sch. Port Deposit, Md.

Spiers, Tomas Hoskins—Nat. City Bk. of N. Y. Lima, Peru.

Sun, Ko-Chi—M. D. 1922—J. H. Hosp.

Wasserman, Harry—Med. Student.

Wells, William John Henry Braden—Balt. (120 S. Calhoun St.)

Woodward, Richard Henley, Jr.—Balt. (1307 John St.)

Extra Ordinem

The following members of the class of 1918 enlisted in the military service of the Government after completing three years' work:

Clark, Stanley Irving—Balt. (4208 Belvieu Ave.)

Connolly, Lloyd Brooks—Baldwin, Md.

Cort, Hugh—Overlea, Md.

Cromwell, Martin John—Lake Roland, Md.

Cromwell, Walter Franklin—Lake Roland, Md.

Duncan, Robert Reginald—Student of Law, Harvard.

Egerton, Stuart Wilson—Med. Student.

Evans, Henry Cotheal—Balt. (Calvert Ct. Apts.)

Jacobsen, Alfred Wilmot—Med. Student.

Kohn, Martin Benno—Mt. Washington, Balt.

Randall, Alexander—Balt. (8 Mt. Vernon Pl. W.)

Sutton, Franklin Wilson—Balt. (1735 Bolton St.)

Swartz, William Hamilton—Balt. (Windsor Park)

Taylor, Walter Lee—Catonsville, Md.

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1919

Baroway, Aaron Bear—Balt. (2554 McCulloh St.)

Beard, Leslie Carrington, Jr.—Grad. Student.

Bloom, William—Med. Student.

Carneal, George Upshur—Med. Student.

Chang, Hsin-Hai—Law Student, Harvard.

Ebeling, Karl Wilhelm—Med. Student.

Fenneman, Frank Thomas—Balt. (1508 Poplar Grove St.)

Fisher, Morton Poe—Balt. (704-705 Union Trust Bldg.)—(*extra ordinem.*)

Frisch, John Wilcox—Balt. (314 Woodlawn Rd. R. P).

Ginsberg, Leon Morris—Balt. (734 W. North Ave).

Grave, Thomas Brooks—Grad. Student.

Greenwald, Leon—Med. Student.

Guttmacher, Alan Frank—Med. Student.

Guttmacher, Manfred S.—Med. Student.

Harris, Joseph—Med. Student.

Hecht, Stewart Emanuel—Balt. (1616 Eutaw Pl.)

Hooper, Arthur Upshur—Student of Law, Harvard.

Kellum, Lewis Burnett—Grad. Student.

Kirk, Harris Elliott, Jr.—Davison Chem. Co. Balt. (502 Cathedral St.)

Kriegel, Philip—Balt. (2503 McCulloh St.)

Lachman, George S.—Med. Student.

Miller, Henry S.—Balt. (Esplanade Apts.)

Novey, Max Alexander—Med. Student.

Rivkin, Sampson—Washington, D. C. (2375 Champlain St.)

Schiavo, Giovanni Ermenegildo—New York (509 W. 110th St.)

Shpritz, Nathan—Med. Student.

Siegel, Isadore Abraham—Med. Student.

Simon, Leo William—Washington (2802 Cathedral Ave.)

Smith, Beverly Waugh, Jr.—Rhodes Scholar, Oxford.

Stanley, John Snowden—Law Student, Univ. of Md.

Thomsen, Roszel Cathcart — Balt. (4 Midvale Rd., R. P.)

Tull, James LeRoy — Annapolis (29 Franklin St.)

Vandermast, Adolph Polland—Colgate, Md.

Vickers, James Leonard—Med. Student.

Warthen, William Horace Franklin — Med. Student.

Wight, Carol Van Buren—A. M. 1921 —Rogers Fellow — [*Extra ordinem, Dec.* 3, 1919.]

Williams, Tiffany Johns—Med. Student.

Yu, Chai Lan—

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1920

Bartels, John Ries—Law Student, Harvard.

Beall, Paul Uburto—Law Student, Balt. (827 W. 36th St.)

Benson, Carville Dickinson, Jr.—Law Student Harvard.

Berkowitz, Joseph Moses—Law Student, Harvard.

Blum, Albert Herbert—Balt. (2502 Brookfield Av.)

Bratt, Daniel Baker—Balt. (3100 N. Calvert St.)

Bresee. Fred. Jr.—Balt. (2632 N. Charles St.)

Brumbaugh, John Daniel—Louisville, O.

Burger, Thomas Terry—Med. Student.

Carroll, Mitchell Benedict — Student, Ecole Libre Pol. et Lit. Paris.

Cattanach, George Scholl—Med. Student.

Coleman, Aylett Breckinridge, Jr.—Law Student and Asst. Pol. Sci. Univ. of Va.

Cox, Richard Threikeld, Jr.—Grad. Student.

Craft, Philip Charles—Balt. (Rusk Av.)—[*October* 5]

Cromwell, William Kennedy, Jr.—Lake Roland, Md.

Cullen, James Kimmey, Jr.—Law Student, Harvard—[*November* 2]

Dail, Harold Wilson — Law Student, Harvard.

Davis, Hamilton Chace—Balt. (1701 Park Av.)

Driver, Warren Maynard—Law Student, Harvard.

Emlet, Winfield Henry—Hanover, Pa.—[*November* 2]

Evans, George Heberton, Jr. — Grad. Student.

Field, Richard Lane—Balt. (304 Robert St.)

Foard, Francis Millard — Instr. Balt. City Coll.; Law Student, Univ. of Md.

Gardner, William Maslin—Atlanta, Ga.

Glick, Samuel—Student of Pharmacy, Univ. of Md. Balt.

Goodman, Morris Harold—Med. Student.

Griesacker, Joseph Benedict — Balt. (1056 W. Barre St.)

Griffiss, Bartow—Grad. Student.

Grollman, Arthur—Grad. Student.

Hettleman, Milton Leonard—Balt. (2012 Brookfield Av.)

Hinrichs, Paul Christopher—Balt. (2 W. 39th St.)

Hoffmeister, John Edward—Grad. Student.

Hsieh, Pao Chao—Grad. Student.

Krantz, Clemens Ireneus—Med. Student.

Leber, Charles Tudor—Student, Princeton Theol. Sem.

Levin, Max—Med. Student.

Levy, Raphael—Grad. Student.

Lewin, John Henry—Law School, Harvard.

Lomauro, James Rosario—Med. Student, Cornell Univ. New York City.

Lou, Kwang Lai—Grad. Student, Harvard—[*February* 23]

Mallalieu, William Cassell—Instr. English, Univ. of Mo. Columbia.

McCleary, Oscar Wood—Grad. Student, Harvard.

Merriken, William Lee—Law Student, Univ. of Md. Balt.

Mersereau, Harold Holt—Student, Garrett Biblical Inst. Evanston, Ill.

Meyer, Ferdinand—Balt. (5 Beechdale Rd.)

Morriss, Henry Hayles—Balt. (1904 Mt. Royal Terr.)

Niles, Henry Edward—England.

Norwood, William Knight—Balt. (Windsor Hills.)

Rank, James Lindley—Student of Journalism, Columbia Univ.

Saiontz, Leon Robert—Grad. Student.

Schaffer, Alexander Jonas—Med. Student.

Scott, Carl Gustave—Englewood, N. J.

Sickel, Edward Wilson—Med. Student.

Silberstein, Samuel—Balt. (705 Lake Drive)
Smith, Walter Roy—Grad. Student.
Snyder, Frederick Amos—Med. Student.
Stearns, John Lester—Student of Business Admin., Harvard.
Stein, Charles Francis, Jr.—Balt. (Lake Drive).
Straus, William Louis—Grad. Student.
Strauss, William Alfred—Med. Student.
Stude, William Carl—Med. Student.
Taylor, Roger Kirkbride—Grad. Student.
Wagner, George Warren—Balt. (3038 St. Paul St.)
Weiskittel, Harry C., Jr.—Balt. (3022 St. Paul St.)
Wharton, James Pollard—Balt. (224 W. Lafayette Av.)—[*October* 5]
Wiggins, Paul Russell—Balt. (427 E. 22d St.)
Wyckoff, Vertrees Judson—Grad. Student.
Yaffe, Harry—Balt. (2003 E. Pratt St.)
Yeaworth, Irvin Shortess — Student, Princeton Theol. Sem.

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1921

Aguado, Joseph— [*October* 4]
Almy, Warren Wright—Grad. Student.
Baroway, Israel—Balt. (2554 McCulloh St.)
Basford, Emory Shelvy—Jessup, Md.
Boone, James Rawlins Herbert—Lake Roland, Md.
Bowers, Ralph Firestone—Med. Student.
Bramble, Forrest Fulton—Law Student, Univ. of Md.
Brittingham, Otto Washington—Clergyman, Balt.; Grad. Student.
Brotman, Harry—Newark, N. J. (224 Hillside Av.)
Brunswick, David—Grad. Student.
Calkins, Frederick Russell, Jr.—Med. Student.
Cannon, Burdelle Sittler—Med. Student.
Cattanach, Lachlan McArthur — Med. Student.
Chomsky, William — Balt. (1716 E. Fayette St.)
Collins, Robert Edward Lee — Grad. Student.
Coulter, Douglas—Grad. Student.
Deems, Merwin Monroe—Student, So. Baptist. Theol. Sem., Louisville.
Deichmann, George Lipps, Jr.—Balt. (Park Hts. Av.)
Donohoe, Edward Cyril—Balt. (2644 N. Charles St.)
Douglas, John Gray—Grad. Student.
Eastland, John Sheldon—Med. Student.
Ellis, Francis Alva—Balt. (616 Dumbarton St.)
Fedder, Abraham—Grad. Student.
Feldman, Morton Harry — Woodbine, N. J.
Fineman, Isidor Saron—Balt. (3516 Holmes Av.)—[*October* 4]
Finesinger, Abraham Leonard — Grad. Student.
Finesinger, Sol Baruch—Grad. Student.
Foote, Edward Lester—Med. Student.
Foster, Reuben—Law Student, Harvard Univ.
Fox, Ezekiel Chester—Balt. (1268 E. North Av.)
Glassman, Morris—Grad. Student.
Goetz, George—Teacher, Balt. (2110 E. Pratt St.)
Gould, Clarendon Ivan Theodore, Jr.—Balt. (713 Park Av.)
Halle, Jesse Mann—Balt. (2222 Callow Av.)
Haseltine, Raymond Holden — Grad. Student.
Heiner, Robert Graham—Rhodes Scholar, Oxford.
Howard, Nelson J.—Med. Student.
Hyman, Calvin—Med. Student.
Jenkins, George Thaxton—Balt. (*The Sun*)
Johnson, James Thomas, Jr. — Med. Student.
Kairys, Fred—Grad. Student.
Kalnit, George T.—Newark, N. J. (356 Springfield Av.)
Kennady, Bascom King — Balt. (734 N. Carrollton Av.)
Keyes, Norman Chase — Balt. (824 (Hamilton Ter.)
Kurrelmeyer, Bernhard—Grad. Student.
Lachman, Sander—Balt. (1412 Laurens St.)
Lin, Shih-Hsi—Med. Student.[*October* 4]
Liu, Shi-Shun—Grad. Student, Harvard —[*October* 4]
Loe, Yung Jao —China—[*October* 4]
Lord, Llewellyn Williams—Med. Student.
Macht, Louis Ephraim—Balt. (1716 N. Fulton Av.)
Marcuse, John Alexander — Richmond, Va. (2213 Monument Av.)
Marshall, Samuel Frederick—Med. Student.
Millikin, Neil—Hamilton, O. (311 S. 2nd St.)
Morgan, Tilghman Vickers—Balt. (1112 N. Charles St.)
Morici, Theodore—Med. Student.
Mossom, Donald Stuart—Grad. Student.

Myers, Willis Adelbert—Balt. (3523 Newland St.)

Niles, Henry Darling—Med. Student.

Norris, Edward Taylor — Actor, New York.

Norwood, Vernon Hyatt—Med. Student.

Parker, Richard Alexander—Balt. (1633 W. North Av.)

Perkins, Clarence Warwick, Jr.—Balt. (4440 Reisterstown Rd.)

Pickford, Edward Morse—Med. Student.

Pusch, Lewis Charles—Med. Student.

Reed, Harold—Hagerstown, Md. (R. F. D. 3).

Ritter, William Townsend—Med. Student.

Rossing, John Milton—Clergyman, Kitzmiller, Md.—[*February* 22]

Rutledge, Benjamin Huger, Jr.—Med. Student—[*October* 4]

Ruark, Arthur Edward—Grad. Student.

Sadtler, Howard Plitt, Jr.—Balt. (1026 Cathedral St.)

Sherry, Milton—Med. Student.

Shih, Tsung Yu—Grad. Student, Columbia, N. Y. (604 W. 140th St.)

Smith, Frank Robert, Jr.—Med. Student.

Swartz, Frank McKim—Grad. Student.

Strauss, Hyman—Med. Student.

Trew, Bartus—Balt. (127 W. Lafayette Av.)—[*February* 22]

Weinberg, James Arthur—Med. Student.

Wright, Chauncey Bechtle—Ceredo, W. Va.

Zubin, Joseph — Balt. (1923 E. Balt. St.)

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1922 (February 22)

Cline, Edwin Louis—Grad. Student.

Ebaugh, Cameron Duncan—Balt. (1207 John St.)

(2)

Bachelor of Science in Engineering

1915

Gorsuch, James Stanley—S. B., Md. Agric. 1909—Engr. State Dept. Hlth, Hyattsville, Md.—(*Civil*)

Lednum, James Maynard—S. B. Md. Agric. 1912—Engr. Davison Chem. Co. Curtis Bay, Balt.—(*Civil and Mechanical*)

Wolman, Abel—A. B. 1913—Engr. State Dept. of Health, Balt.; Instr. School of Hygiene—(*Civil*)

(3)

1916

Barron, David Howard — Balt. (2319 Mondawmin Av.)—(*Civil*)

Brumbaugh, Isaac Vernon—A. B. West. Md. 1913—Bureau of Standards, Washington—(*Civil*)

Cockey, James Powell—Camden, S. C. —(*Civil*)

Hutton, Ulric Orlando—Cutler Hammer Co., Milwaukee, Wis.—(*Electrical*)

Iddings, Frederick T.—Catonsville, Md.—(*Mechanical*)

Johnston, David Humphrey, Jr.—Consol. G. & E. Co. Balt.—(*Electrical*)

Reier, George Conrad—A. B. Washington (Md.) 1913—Amer. Tel. & Tel Co. New York (195 Broadway)—(*Electrical*)

Tobias, Abraham—Balt. (408 Druid Hill Ave.)—(*Electrical*)

Webster, James Gwinn—Balt. (2798½ Alameda Ave.)—(*Electrical*)

Willis, Clodius Harris—S. B. Richmond 1914—Instr. Univ. of Richmond, Va. —(*Electrical*)

Winslow, George Leiper — A. B. St. John's 1912; S. B. Haverford 1913—Philadelphia (1823 Wallace St.)—(*Civil*)

Woodward, Hiram Woods—Balt. (1307 John St.)—(*Mechanical*)

(12)

1917

Baker, Henry Scott—Washington (1816 Eye St. N. W.)—(*Electrical*)

*Baxley, William Brown—2d Lieut. Engineers — (*Mechanical*) — *In France, Aug.* 1, 1918.

Black, Charles Warren—Balt. (1201 W. Mulberry St.)—(*Civil*)

Bryan, Guy Lee, Jr.—Instr. 1918 20, 1921-22; M. C. E. 1922 (*Feb.* 22)—(*Civil*)

Cecil, William Downes—St. Louis, Mo (Magnus Metal Co.)—(*Mechanical*)

Chesley, Charles Webster — Charlotte Hall, Md.—(*Mechanical*)

Cohen, Hyman Abraham—Balt. (2462 Buchanan St.)—(*Electrical*)

Crist, Francis Murray— (*Civil*)

Darley, J. Wilmerton—Balt. (1518 N. Broadway)—(*Mechanical*)

Defandorf, John L.—Milwaukee, Wis. (265 31st St.)—(*Mechanical*)

Evitt, Raymond Wilson — Balt. (Ten Hills)—(*Mechanical*)

Hall, Elbridge Gerry—Balt. (4207 Potter Av.)—(*Electrical*)

Howard, Stanley Lewis—Draftsman, Baltimore (Woodrow Apts.)—(*Civil*)

Junkins, Albert Benton—Amer. Sugar Ref. Co. Balt.—(*Electrical*)

Levin, Jacob—Reading, Pa.

Levin, Morris—Balt. (2024 Madison Ave.)—(*Mechanical*)

Meyerhoff, Louis—Perth Amboy, N. J. (101 State St.)—(*Electrical*)

Owings, Noble L.—Balt. (621 N. Fulton Av.)—(*Civil*)

Perkins, Edward Everett, Jr. — Instr. Univ. of Ill. Urbana, Ill.—(*Electrical*)

Reiner, Milton—Balt. (3907 Springdale Av.)—(*Electrical*)

Roop, John Daniel, Jr.—A. B. 1917—Linwod, Md.—(*Civil*)

Schaeffer, Carl Lawyer—A. B. West. Md 1914—Intsr. West. Md. Coll. Westminster—(*Civil*)

Silberstein, Eli—Draftsman, Balt. (145 Jackson Pl.)—(*Civil*)

Smith, Egbert Leroy—Jarrettsville, Md. —(*Civil*)

Straus, Henry Lobe—Instr. 1919-20—Balt. (10 E. Fayette St.)—(*Mechanical*)

Strobel, Peyton Brown—Balt. (2110 Brookfield Ave.)—(*Mechanical*)

Stuart, Edward Merceron — Black & Decker Co. Towson, Md. —(*Mechanical*)

Thompson, Joseph Trueman — Assoc. Civil Eng.—(*Mechanical*)

Twigg, John Milton—Flintstone, Md.—(*Mechanical*)

Upperco, Jesse Myron—Boring, Md.—(*Mechanical*)

Wacker, Herman, Jr.—Balt. (C. & P. Tel Co.)—(*Mechanical*)

Watson, John Stuart—Oilfields, Cal.—(*Mechanical*)

Webb, William David—DuPont Co., Nashville, Tenn.

Weeks, Walter Evans — Balt. (Ches. & Potomac Tel. Co.—(*Mechanical*)

Winchester, Bertram Seager — Balt. (Pa. Water & Power Co.)—(*Electrical*)

Wood, Walter Alexander, Jr.—Instr. Yale, New Haven, Conn.—(*Civil*)

Young, Louis McComas—Boonsboro, Md. —(*Electrical*)

(37)

1918

Bitter, Kenneth Oscar — F. X. Hooper Co. Glenarm, Md.—(*Mechanical*)

Canton, Eugene Jude — Water Dept. Balt.—(*Mechanical*)

Cullom, Kenneth Stetson—Texas Co. N. Y.—(*Mechanical*)

Downey, John Jones—Boston (201 Devonshire St.)—(*Civil*)

Ewald, Harry William—Gen. Elec. Co. Schenectady, N. Y.—(*Electrical*)

Fonaroff, Frank Israel—Wilkinsburg, Pa.—(*Mechanical*)

Harris, George Sylvester — Balt. (1637 Cliftview Av.)—(*Electrical*)

Hopkins, Henry Hinkson—Pottstown, Pa. (438 Hight St.)—(*Civil*)

Jammer, Jacob Suter—Western Electric Co., New York (463 West St.)—(*Electrical*)

Kauffman, Erman Reed—Westinghouse Co., Philadelphia (828 S. 48th St.)—(*Mechanical*)

Konze, John Edwin—Balt.—(*Electrical*)

Lampe, John Harold—Instr. Elec. Eng. —(*Electrical*)

O'Neill, George Devine—Balt. (1601 E. Lafayette Ave.)—(*Civil*)

Rosenthal, Jacob Stanley—Balt. (246 S. Eden St.)—(*Civil*)

Weil, Joseph—Instr. Univ. of Florida, Gainesville—(*Electrical*)

Winslow, Oliver Parry—Tulane Univ., New Orleans—(*Electrical*)

Wolfe, Alexander McWhorter—Md. Meter Wks. Balt.—(*Civil*)

Zeskind, Louis Morris—Balt. (1641 N. Bond St.)—(*Civil*)

Extra Ordinem

The following members of the class of 1918 enlisted in the military service of the Government after completing three years' work:

Dempster, Ryland Newman—Asst. Registrar; Grad. Student—(*Mechanical*)

Kauffman, Jacob Franklin—Instr. High School, Juniata, Pa.—(*Mechanical*)

Martz, Roger Edwin—Boonsboro, Md.—(*Electrical*)

McCabe, Arthur Summerfield — Lehigh Univ. S. Bethlehem, Pa.

Stapleton, Edward Guy—Balt. (2518 Maryland Av.)—(*Mechanical*)

Sullivan, Bernard Aloysius — Ches. & Potomac Tel. Co. Balt.—(*Electrical*)

Van Hulsteyn, John Max Carey—Water Dept. Balt.—(*Civil*)

Young, John Walter—Ches. & Potomac Tel. Co. Boonsboro, Md.—(*Electrical*)

(26)

1919

Baxley, Charles Herbert—State Board of Health, Balt.—(*Civil*)

Chisholm, Theodore Livings—Gen. Elec. Co. Washington (Commercial Nat. Bank Bldg.)—(*Electrical*)

Cook, William Dodd—Balt. (2204 Chelsea Av.)—(*Mechanical*)

Dehler, Frank C.—Davison Chem. Co. Balt.—(*Mechanical*)

DeMarco, John Lawrence—Mt. Washington, Balt.—(*Mechanical*)

Doub, Cyrus L.—Westinghouse Elec. Co. E. Pittsburgh—(*Electrical*)

Gottling, Philip Frederick—Grad. Student.—(*Electrical*)

Hancock, Milton Livinstone—Durham, N. C.—(*Mechanical*)

Keefer, Clarence E.—Balt. (235 N. Stricker St.)—(*Civil*)

Rosenfeld, Benjamin—Am. Tel. & Tel. Co. Elkton, Md.—(*Mechanical*)

Schmidt, Carl Walter—Balt. (1718 Light St.)—(*Civil*)

Seebe, Adolf—Denver, Col. (1618 Pennsylvania St.)—(*Electrical*)

Sonneborn, David Bamberger — Balt. (2407 Brookfield Av.—(*Electrical*)

Startzman, Henry Hollingsworth—Wilkinsburg, Pa. (415 Kelly Av.)—(*Electrical*)

Taylor, Arthur Walton—Balt. (Standard Oil Co.)—(*Civil*)

Truitt, Benjamin Thomas, Jr. — Snow Hill, Md.—(*Electrical*)

Vickers, James Kennedy, Jr.—Balt. (302 Woodlawn Rd. R. P.)—(*Civil*)

Zahn, Charles Thomas — Instr. Cornell Univ. Ithaca, N. Y.—(*Electrical*)

(18)

1920

Andrae, Karl Henry—Balt. Tube Co. (6004 Bellona Av.)—(*Mechanical*)

Arthur, James Brayshaw—Acting Assoc. Prof. Elec. Eng. 1919-20—Grad. Student, Mass. Inst. Tech. Cambridge, Mass.—(*Electrical*)

Ault, Eugene Stanley—Instr. Cornell, Ithaca, N. Y.—(*Mechanical*)

Casey, Harry Joseph—Balt. (4200 Maine Av.)—(*Electrical*)

Collins, John Harding — Instr. Cornell Univ. Ithaca, N. Y.—(*Mechanical*)

Daugherty, Edgar Sterling—Instr. Cornell, Ithaca, N. Y.—(*Mechanical*)

Defandorf, Francis Marion—Grad. Student, Mass. Inst. Tech. Cambridge, Mass.—(*Electrical*)

Edel, Walter Lester—Balt. (14 Wendover Rd.)—(*Mechanical*)

Henck, Louie Wheeler—Gen. Elec. Co., Lynn, Mass.—(*Mechanical*)

Herring, Francis William—Balt. (1820 Mosher St.)—(*Civil*)

Hoffman, Robert Gilmor — Rochester Motor Co. Rochester, N. Y.—(*Mechanical*)

Holland, Norman Norwood—New York (149 Broadway)—(*Electrical*)

Johnston, Lloyd Edward—Amer. T. & T. Co. Balt. (5 Light St.)—(*Electrical*)

Kauffman, Lester S.—Denton, Md.—(*Civil*)

Klass, Louis Howard—Balt. (1315 E. Balt. St.)—(*Civil*)

Levin, Frank—Cons. G. & E. Co. Balt.—(*Electrical*)

Littman, Lawrence—Balt. (2310 Edgemont St.)—(*Electrical*)

MacCubbin, Walter Aubrey—Balt. (1624 E. Preston St.)—(*Civil*)

Paige, Edmund Robert — Balt. (3204 Clifton Av.)—(*Mechanical*)

Phillipy, Lester Newton—Balt. (506 Harwood Av.)—(*Civil*)

Shaw, Harry Breckenridge—Frederick, Md.—(*Civil*)

Smith, Louis Golden—Gas & Elec. Co. Balt. (2614 N. Calvert St.)—(*Electrical*)

Spartana, Anthony Russo—Instr. Vocational Sch. Balt.—(*Electrical*)

Stuart, Vernon Ellicott—Hutzler Bros. Balt.—(*Mechanical*)

Tignor, Paul Everett—Nanticoke, Md.—(*Civil*)

Torsch, Frederick Fairchild — Torsch Packing Co. Balt.—(*Mechanical*)

Townsend, Francis Howard, Jr.—Suburban Sanitary Com. Hyattsville, Md.—(*Civil*)

Weaver, Harry Edward—Bailey Meter Co. Cleveland—(*Mechanical*)

(28)

1921

Arndt, Eric Muesse—Indianapolis, Ind. (3148 Ruckle St.)—(*Civil*)

Baker, Eli—Balt. (2309 Mondawmin Av.)—(*Mechanical*)—[*February* 22]

Ball, Wilmot Coles—Instr. Balt. Polytech. Inst.—(*Electrical*)

Benson, John Oregon—Halethorpe, Md. (*Mechanical*)

Boyd, Charles Holmes—Med. Student—(*Civil*)

Chandler, Albert Norris — Frick Co., Waynesboro, Pa.—(*Mechanical*)

Chisholm, Charles Fillmore — Garrett Park, Md.—(*Electrical*)

Cohen, Maurice—Washington (1908 E St., N. W.)—(*Civil*)

Collier, Wilbur Harden—Balt. (208 N. Carey St.)—(*Electrical*)

Dixon, Allan Rhodes—Balt. (2309 Avalon Av.)—(*Electrical*)

Earle, Richard Tilghman—Westinghouse Co., E. Pittsburgh, Pa.—(*Electrical*)

Edelson, Leon—Balt. (3604 Springdale Av.)—(*Electrical*)

Finkelstein, Abraham—Balt. (305 N. Exeter St.—(*Civil*)

Goldring, Louis Nugent—Balt. (2708 N. Charles St.)—(*Electrical*)

Hubbard, Thomas Foy—Balt. (1001 Riverside Av.)—(*Civil*)

Hurwitz, Abraham—Balt. (4742A Park Hts. Av.)—(*Electrical*)

Keen, George Washington—Consol. Gas Co. Balt.—(*Mechanical*)

Kesting, Theodore Edward—Balt. (2872 Harford Av.)—(*Civil*)

Nicholson, William K.—Western Elec. Co. New York—(*Mechanical*)

Pikoos, Abraham—Balt. (4721 Liberty Hts. Av.)—(*Civil*)

Rector, Nelson Hamilton — Internat. Hlth. Bd. Montgomery, Ala.

Reed, James Robinson—Balt. (29 W. North Av.)—(*Civil*)

Reins, William Edmunds—Balt. (1502 Park Av.)—(*Civil*)

Roskes, David Stanley—Grad. Student —(*Mechanical*)

Rupp, Walter—Balt. (1605 N. Bond St.)—(*Civil*)

Scheidt, Melvin Edgar — Balt. (4207 Liberty Hts. Av.)—(*Civil*)

Shamberger, Samuel Joseph — Balt. (2804 N. Calvert St.)—(*Mechanical*)

Shapiro, Arthur—Balt. (910 Aisquith St.)—(*Electrical*)

Smith, Albert Van Deaver—Balt. (4011 Liberty Hts. Av.)—(*Electrical*)

Smith, Richard Bromwell—State Bd. of Health, Montgomery, Ala.—(*Civil*)—[*October* 4]

Stansbury, Carroll—Washington (725 13th St. N. W.)—(*Mechanical*)

Taylor, Edmund Randolph, Jr. — Am. Tel. & Tel. Co. New York (195 Broadway)—(*Electrical*)

Teders, Victor Gerald — Balt. (2802 Winchester St.)—(*Electrical*)

Tipton, William Dolley—Balt. (1618 St. Paul St.)—(*Mechanical*)

Van Ness, Bartow, Jr.—Student, Mass. Inst. Tech. Cambridge—(*Electrical*)

Weil, Louis—Westinghouse Co., Essington, Pa.—(*Mechanical*)

Weisberg, Henry — Balt. (3819 Park Hts. Av.)—(*Civil*)

Wessells, Walter Byrd — Balt. (315 Dolphin St.)—(*Mechanical*)

Wood, Edmund Scott—Balt. (2436 Md. Av.)—(*Civil*)

(39)

Bachelor of Science in Chemistry

1920

Applestein, Frank—Balt. (10 S. Patterson Pk. Av.)

Berlin, Max—Texas, Md.

Berry, Thomas Morris—Grad. Student.

Bloomsburg, Harry Eugene—Student, Columbia Univ. (418 Tompkins Hall)

Engelman, Benjamin — Balt. (2023 Madison Av.)

Folkoff, Joseph Paul — Balt. (2305 Madison Av.)

MacFarlane, Charles Edward — Balt (2324 Callow Av.)

Orne, Stephen William, Jr.—Elyria, O. (248 Sixth St.)

(8)

1921

Biemiller, Lawrence Elwood—Student, Univ. of Wis. Madison.

Birkmeyer, John Frederick — Student, Harvard Univ. Cambridge, Mass. (20 Conant Hall)

Call, Lewis Wellington, Jr.—

Chenoweth, George LeRoy—

Jones, John Melbourne—Towson, Md.

Miller, Leo Daniel Biser — Boonsboro, Md.

Mullikin, Kent Roberts—2d Lt. U. S. Army, Ft. Benning, Ga.

Rosenthal, David Theodore—Balt. (434 S. Pulaski St.)

Shaw, Edwin Herbert, Jr.—Grad. Student.

Strasburger, Leroy Victor—Balt. (632 Linwood Av.)

Suwall, Felix Stephen John—Balt. (525 W. Franklin St.)

Wilhelm, James Roland—Glencoe, Md.

(12)

Bachelor of Science

1916

Dallam, Mary Theresa—A. M. 1918—Instr. Western High Sch. Balt.

Johnson, Mary Stella—Teacher, Thomson, Ga.—[*October* 3]

Seifriz, William Ernest (F)—Bruce Fellow 1918-19, Ph. D. 1920—Student in Germany—(*Extra ordinem*)

Stephens, Martha Blades — Teacher, Balt. (2223 Callow Av.)

(4)

1917

Buchholz, Agnes Emilie—Instr. Eastern High Sch. Balt.

Eutsler, Keener Wilson—Teacher, Cumberland, Md. (2 Elm St.)—[*October* 2]

Schad, Harry—A. M. 1922 — Instr. Balt. City Coll.—[*October* 2]

Wirth, Elsie Louise—Teacher, Balt. (Guilford Terr.)

(4)

1918

Brown, Meyer—Teacher, Balt. (128 N. Exeter St.)

Gordon, J. Raymond—Liverpool, W. Va.

Grape, Jacob—A. M. 1920—Balt. (323 E. 22d St.)

Hutton, Philena M.—Teacher, Kingsville, Md.

Krieger, Joseph Louis—Balt. (3404 Morris Av.)

Thomas, Catherine Bowie Clagett — Balt. (2424 N. Calvert St.)

(6)

1919

Ditty, Augusta Fredericka—Instr. Western High School Balt.—[*October* 7]

Gallagher, Grace A.—New York (1066 St. Nicholas Av.)

Grote, Caroline Elise—Teacher, Balt. (3202 Vickers Rd.)

Mann, Natha Annette—Teacher, Balt. (2647 N. Calvert St.)

Owens, Glenn Worthington — Head, Dept. of English, Balt. City Coll.

(5)

1920

Adams, Hattie Josephine — Teacher, Balt. (524 Rossiter Av.)

Albert, Anna Christina—Teacher, Balt. (112 S. Ellwood Av.)—[*October* 5]

Arjona, Carlos J. Vazquez—Instr. U. S. Naval Acad., Annapolis.

Bills, Charles Everett—Acting Prof. Physiol. & Bio-Chem. Univ. of Alberta, Edmonton, Canada.

Boehm, Margaret Donaldson—Grad. Student.

Boone, Rhoda Linstid Revell—Instr. Randolph-Macon Inst. Danville, Va.

Epstein, Alfred—Student, Cornell Univ. Med. Sch. N. Y. [*February* 23]

Flowers, William Richardson — Princ. Eastern High Sch. Balt.; Grad. Stud.

Forney, Lewis Smyser—Teacher, Balt. (3816 Dalrymple Av.)

Goddard, Gladys A.—Grad. Student.

Marr, Ernest Gotthart—M. D. Balt. Med. Coll. 1913—Physician, Balt. (827 N. Eutaw St.)

Meushaw, Annie Catherine — Teacher, Balt. (812 Winston Av.)

Schanberger, Lucille Louise—Teacher, Balt. (3726 Greenmount Av.)—[*October* 5]

Wright, Eleanor—Teacher, Balt. (2643 N. Calvert St.)

(14)

1921

Brinsfield, Araminta — (Mrs. George Rullman)—Annapolis, Md.

Bennett, Bessie Burns—Teacher, Elkins, W. Va.

Coe, Margaret Fulton—Teacher, Balt. (Sta. E).

Coe, Mary Caroline — Teacher, Balt. (Sta. E).

Corrigan, Margaret Mary — Teacher, Balt (434 E. 22d St.)

Gilman, Elisabeth — Balt. (513 Park Av.)

Healy, Katharine Loretta — Teacher, Balt. (3709 North Rd.)

Hille, Mary Jane—Grad. Student.

Kramer, Grace Amanda—Teacher, Balt. (319 E. 25th St.)

Linthicum, Marguerite Elmore—Teacher, Balt. (506 E. 42d St.); Grad. Student—[*October* 4]

Roberts, Martin Arnold—Asst., Libr. of Congress, Washington—[*October* 4]

Valentine, Katherine Theresa—Teacher, Balt. (216 Myrtle Av.)

Weidenhammer, Marie Antoinette — Teacher, Balt. (213 S. Calhoun St.)

Yeaworth, Eleanor Frances Frieda — Grad. Student.

1922 (February 22)

Taylor, John Carey—Balt. (1245 N. Broadway).

(15)

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