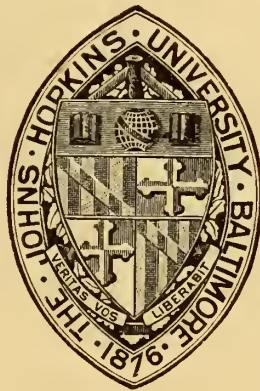


THE JOHNS HOPKINS UNIVERSITY
BALTIMORE

CONFERRING OF DEGREES

AT THE CLOSE OF THE FIFTY-SEVENTH ACADEMIC YEAR

JUNE 13, 1933



IN THE LYRIC THEATRE

AT 4 P. M.

MARSHALS

Professor WILLIAM O. WEYFORTH
Chief Marshal

Aids

Dr. W. S. HOLT
Dr. R. T. ABERCROMBIE
Dr. G. H. EVANS
Mr. M. W. PULLEN

Dr. N. B. FAGIN
Dr. L. E. HOLT, JR.
Dr. W. W. CORT
Dr. J. HART

USHERS

RUFUS MARTIN ROLL
Chief Usher

L. OPIE CHANCELLOR
PAUL H. COBURN
WILLIAM S. MILLER
THOMAS J. PERKINS
RICHARD I. PIKE

EDWARD H. SADTLER
JOHN N. TERRY
ALFRED ULLMAN, JR.
JOHN WEEKS
BERNARD G. WOBBEKING

The musical program is under the direction of Philip S. Morgan and is presented by the Johns Hopkins Orchestra, John Itzel, Conductor.

ORDER OF EXERCISES

I

ACADEMIC PROCESSION

March, "Semper Fidelis"—*J. P. Sousa*
March from "Tannhäuser"—*R. Wagner*

II

INVOCATION

The Reverend JOHN I. YELLOTT, D. D.
of Belair

III

ADDRESS

THE PRESIDENT OF THE UNIVERSITY

IV

"Intermezzo" from Ballet Suite—*J. Itzel*

V

CONFERRING OF DEGREES

Bachelors of Arts, presented by Dean BERRY
Bachelors of Engineering, presented by Professor KOUWENHOVEN
Bachelors of Science in Chemistry, presented by Professor KOUWENHOVEN
Bachelors of Science in Economics, presented by Professor HOLLANDER
Bachelors of Science, presented by Professor BAMBERGER
Recipients of Certificates in Public Health, presented by Dean FROST
Master of Education, presented by Professor BAMBERGER
Masters of Engineering, presented by Dean WHITEHEAD
Masters of Science in Hygiene, presented by Dean FROST
Masters of Arts, presented by Professor MILLER
Doctors of Education, presented by Professor BAMBERGER
Doctors of Engineering, presented by Dean WHITEHEAD
Doctors of Public Health, presented by Dean FROST
Doctors of Science in Hygiene, presented by Dean FROST
Doctors of Medicine, presented by Dean CHESNEY
Doctors of Philosophy, presented by Professor MILLER

VI

CONFERRING OF COMMISSIONS IN THE OFFICERS' RESERVE CORPS

VII

ANNOUNCEMENTS

THE PRESIDENT OF THE UNIVERSITY

VIII

March, "El Capitan"—*J. P. Sousa*

IX

BENEDICTION

CANDIDATES FOR DEGREES

BACHELORS OF ARTS

LOUIS HENRY ARMSTRONG, of Maryland
MAYNARD BACKER BADANES, of New York
SAMUEL BELSKY, of Maryland
PAUL ALEXANDER BENDIX, of New York
PERCY HAROLD BENNETT, of Connecticut
EUGENE SYDNEY BERESTON, of Maryland
SIDNEY JAY BERKOWITZ, of New Jersey
JULIAN HECHT BLATTNER, of Maryland
JEROME BLUM, of Maryland
JOHN BONNER BUCK, of Maryland
ABRAM BURK, of Maryland
HOWARD ADDISON CAMPBELL, of Maryland
LEWIS CAPLAND, of Florida
SOLOMON CAPLIS, of Maryland
MAURICE CHASSIN, of New York
ISRAEL CHODOS, of New York
PETER ALDRICH COLE, of New York
MARTIN EPHRAIM CORNMAN, of Maryland
LEWIS DANZIGER, of Maryland
CHARLES HORACE DAVIS, of Maryland
FRANCIS GEORGE DICKEY, of Maryland
DAVID AUGUSTUS DOLOWITZ, of New York
SYLVAN RAYMOND DUNN, of Maryland
WILLIAM WINCHESTER EARECKSON, of Maryland
MORDECAI HENRY EDELMAN, of New York
LOUIS ALLAN ERSKINE, of Maryland
EDGAR RAND EVERTON, of Maryland
HERBERT CARL FISCHER, of New York
HERBERT LEE FRIEDBERG, of Maryland
SIDNEY RICHARD GEHLERT, of Maryland
SAMUEL GERTMAN, of Maryland
HARRY ABRAHAM GOODMAN, of Pennsylvania
ROBERT JOSEPH GORE, of Maryland
MORTON LEWIS GUTKIN, of New York
LESTER CARL HAAS, of Louisiana
JOHN HENDERSON, 3rd, of Maryland
DONALD SAUTER HERRERA, of Maryland
FREDERICK HARRISON HESSER, of Maryland
HOWARD BLAKE HOBBS, of Pennsylvania
WILLIAM COOLIDGE HUMPHRIES, of Maryland
ISADORE ALAN JACOBSON, of Maryland
CLARENCE FREDERICK JOHNSTON, JR., of Maryland

JOSEPH KAISER, of Maryland
NATHAN KAPLAN, of Maryland
ALBERT HERBERT KATZ, of Maryland
CALEB REDGRAVE KELLY, of Maryland
ALEXANDER LOUIS KLINKOWSTEIN, of New Jersey
MILTON STANLEY KRONHEIM, JR., of the District of Columbia
MACEY KRONBERG, of Maryland
SIDNEY STANFORD LEICHTER, of New York
MORTON WILLIAM LEVENSON, of New Jersey
EPHRAIM THEODORE LISANSKY, of Maryland
GERALD ANTHONY LO GRIPPO, of Pennsylvania
EUGENE DAVISSON LYON, of Maryland
JAMES GORDON MCCABE, of Maryland
LEWIS ADLER MEYERS, II, of South Carolina
JAMES ROWLAND MILLER, of New York
LEON RICHARD MILLER, of New York
J. HASKELL MILSTONE, of the District of Columbia
CHARLES NEY, of Virginia
WILBUR CHURCHILL NICHOLS, of Maryland
FRANK FRIEDMAN OPPENHEIMER, of New York
GERALD IRVING PITEGOFF, of New York
DONALD FREDERICK PROCTOR, of Maryland
REUBEN ROCHKIND, of Maryland
MORTON EUGENE ROME, of Maryland
MILTON LEON ROSENBERG, of New York
HYMAN ROSENWASSER, of New York
GILBERT ELMORE RUDMAN, of Maryland
SANFORD SARNEY, of New York
HERMAN SCHNECK, of New York
JOSHUA SEIDEL, of Maryland
WILSON GRUBB SHUGERMAN, of the District of Columbia
FREDERICK J. SINGLEY, JR., of Maryland
JOHN MILTON SMITH, of Maryland
JOHN P. SMITH, of Maryland
ROBERT MOSES SONNEBORN, of West Virginia
WALTER MARCUS SONNEBORN, of New York
ISADORE IRVING SPIVACK, of Connecticut
WILLIAM BENTON STANSBURY, JR., of Maryland
FELIX STANZIOLA S., of Panama
AARON STEIN, of Maryland
STANLEY STILLMAN, of New York
DOUGLAS HOFFMAN STONE, of Maryland
FREDERICK PRESTON TITUS, of New York

CHI SIANG TOM, of China
WILLIAM HARRISON TRIPLETT, of Maryland
WILLIAM RANDOLPH TUCKER, of Maryland
GEORGE JOHN ULRICH, of Maryland
BERNARD M. VERLIN, of Maryland
LEWIS GILMORE VON LOSSBERG, of Maryland
ARTHUR THOMAS WARD, JR., of Maryland
MAX CHARLES WEINER, of Pennsylvania

JOHN H. WELLENSIEK, JR., of Pennsylvania
LEONARD ALVIN WENNAGEL, of Maryland
EDWARD WHITE, of Connecticut
WILLIAM POE WHITE, of Maryland
JACK HENRY WOODROW, of New York
CYRUS CLIFTON YOUNG, JR., of Maryland
ISRAEL ZELIGMAN, of Maryland

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GRADUATING WITH HONOR

ABRAM BURK
PETER ALDRICH COLE
HARRY ABRAHAM GOODMAN

ALBERT HERBERT KATZ
J. HASKELL MILSTONE
WILBUR CHURCHILL NICHOLS

BACHELORS OF ENGINEERING

JAMES WILLIAM OWEN BAKER, of Maryland
JOHN LINDSAY BARKER, of Maryland
PAUL BERGER, of Maryland
ALBERT BERKOWITZ, of Maryland
BELIN VOORHEES BODIE, of Maryland
JOHN F. BURGER, JR., of Maryland
THOMAS CLAYTON CRANE, of Maryland
WILLIAM DEITZ, of Maryland
ANTHONY JOSEPH DI GENNARO, of Maryland
ROBERT EMERSON ELLSWORTH, of Maryland
JOHN NICHOLAS FEHRER, of Maryland
CARLTON ALLEN FOX, of Maryland
EDWARD JOSEPH FUNK, JR., of Maryland
FRANK ADOLPH GAIDIS, of Maryland
ALLAN MERRYMAN GLADDING, of Maryland
ERNEST HENRY HANHART, JR., of Maryland
JOHN BERNHART HEINICKE, of Maryland
BRUCE ALFRED HERMAN, of Maryland
SAUL BAUM JACOBSON, of Maryland
JOHN JOSEPH JENKINS, JR., of Maryland
THOMAS BENJAMIN JONES, of Maryland
FRANCIS CRANE KAHLER, of Maryland
JOHN MARTIN KEANE, of Virginia
ROBERT BOWERS KEMP, of Maryland
JOHN MATTHIAS KOPPER, III, of New Jersey
LEROY LOUIS LEVITT, of Maryland
FRANK EDWARD MAURITZ, of Maryland

MARSHALL DUER MC DORMAN, of Maryland
HENRY NORMAN MILBURN, JR., of Maryland
RAYMOND DURBIN MILLER, JR., of Maryland
STEPHEN GROVER MORAN, of Maryland
GEORGE OSWALD MOTRY, of Maryland
WILLIAM NELSON MYERS, of Maryland
HENRY GEORGE NEUMAN, of Maryland
JOHN WELLFORD PEACH, of Maryland
MARLOW PERRY, of the District of Columbia
ALBERT JOHN PFETZING, of Ohio
WILLIAM STABLER REID, JR., of Maryland
ROBERT WILLIAM REYNOLDS, of Maryland
THOMAS LEE ROBEY, of Maryland
MAX ALLEN SCHREIBER, of Maryland
GEORGE WAYNE SCHUCKER, of Maryland
WILLIAM WARNER SCHWARTZ, of Maryland
SAMUEL BUDD SEXTON, III, of Maryland
RIMMA SKLAREVSKI, of Maryland
LLEWELLYN FRANKLIN STANTON, of Maryland
WILLIAM EDWARD STEVENSON, of Maryland
ALBERT COOKE THOMAS, of Maryland
JEROME FRANCIS TOOHEY, of Maryland
JOHN IGLEHART TURNBULL, of Maryland
JOHN ADAM WACHTER, JR., of Maryland
ERNEST ALTON WELLER, of Maryland

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GRADUATING WITH HONOR

THOMAS CLAYTON CRANE
JOHN NICHOLAS FEHRER
THOMAS BENJAMIN JONES
JOHN MARTIN KEANE

ALBERT JOHN PFETZING
ROBERT WILLIAM REYNOLDS
JOHN ADAM WACHTER, JR.

BACHELORS OF SCIENCE IN CHEMISTRY

IRVING BACHMAN, of Maryland
CHARLES GORDON GREEN, of Maryland
JOHN MARION GROVE, of Maryland
CHARLES ROYER HAGER, of Maryland
LAWRENCE LEROY HEFFNER, of Maryland

NORMAN EVERETT MILLER, of Maryland
MEYER NEISHLOSS, of Maryland
WINFIELD DONALD PENNINGTON, of Maryland
EDWIN MOUNGER RICHARDSON, of Maryland
WILLIAM JOSEPH WISEMAN, of Maryland

(10)

GRADUATING WITH HONOR

MEYER NEISHLOSS

EDWIN MOUNGER RICHARDSON

BACHELORS OF SCIENCE IN ECONOMICS

CHARLES WEBBER CORNWELL, of New York
JOSEPH GAILLARD FREY, of Maryland
HOWARD JAMES KING, JR., of Maryland
CONRAD ALBERT KUPER, JR., of Maryland
GEORGE WILLIAM LA MONT, of New York

JAMES MERRIKEN, of Maryland
PHILIP AUSTIN MURPHY, of Maryland
ALFRED EDWARD QUICK, of Maryland
GEORGE NEILSON SIGLER, of Maryland
HELMUTH FREDERICK STUDE, of Maryland

(10)

BACHELORS OF SCIENCE

ANNA GRACE BAKER, of Maryland
EDNA CORRELL BELL, of Maryland
DOROTHY ELIZABETH BOESCHE, of Maryland
NORA VIRGINIA BRAINARD, of Maryland
LILLIAN DONOVAN BRAUN, of Maryland
FRANCES ELIZABETH BUTTON, of Maryland
ELLA IRENE CASEY, of Maryland
HELEN LUCY CHAMBERS, of Maryland
BETTY LANDON CHINN, of Virginia
MARY FRANCES CLOUGH, of Maryland
SADIE HURSTON COHEN, of Maryland
LENETTA COUGLAR, of Maryland
NAOMI OWINGS CROOKS, of Maryland
MARY JEANNETTE DE RAN, of Maryland
FRED BARTLETT DIDIER, of Maryland
FLORENCE VIRGINIA DONELSON, of Maryland
MINNIE MARGARET GLANTZ, of Maryland
FANNIE MYRA HARBAUGH, of Maryland
DOROTHY HENKEL, of Maryland
ANNA HIMMELFARB, of Maryland
MARGARET BRAMWELL HOWSER, of Maryland
CYRILE SONIA KADER, of Maryland
SARAH ETHEL KATZOFF, of Maryland
MARY FITZGERALD KE CZMERSKI, of Maryland
JOSEPHINE CATHERINE KELLEY, of Maryland

MINNIE REGINA MENCKE, of Maryland
ANNA LAURA MILLER, of Maryland
ISAAC RAYMOND MILLER, of Maryland
ROBERT BOYD MILLER, of Maryland
CARRIE ELIZABETH MORRISON, of Maryland
MABEL FRANCES MYERS, of Maryland
JULIA KATHERINE PELCZAR, of Maryland
ELIZABETH POTTER, of Maryland
CARROLL STEPHEN RANKIN, of Maryland
MARY ROSELLA RIEDEL, of Maryland
MARIE ANTOINETTE RITTER, of Maryland
FRIEDA SCHARF, of Maryland
DOROTHY M. SCHEPLER, of Maryland
LILLIAN SCHOFER, of Maryland
FANNIE SERPICK, of Maryland
ALBERT JACOB SILVERMAN, of Maryland
LOUIS JULIUS SOFFER, of Maryland
KATHARINE LEONA TAMES, of Maryland
MARTHA LOUISE TOVELL, of Maryland
MARIA TRANZILLO, of Maryland
GRACE KATHERINE VOGEL, of Maryland
IDA MIRIAM WATKINS, of Maryland
EVELYN KATHRYN WIELAND, of Maryland

(48)

RECIPIENTS OF CERTIFICATES IN PUBLIC HEALTH

- MARGARET WITTER BARNARD, of New York, A.B. Smith College 1917; M.D. Cornell University 1923.
- MORLEY BURNELL BECKETT, of Michigan, M.B. University of Toronto 1926.
- CHARLES ARTHUR BOURDON, of Canada, M.D. University of Montreal 1917.
- TRAVIS POLLARD BURROUGHS, of New York, A.B. University of Missouri 1917; M.D. Harvard University 1925.
- LEWIS CHARLES COLEMAN, of Kentucky, M.B. University of Cincinnati 1928; M.D. 1929.
- CARLETON DEAN, of Michigan, M.D. Detroit College of Medicine and Surgery 1924.
- MOHAMMAD DJAMIL, of Java, M.D. University of Utrecht 1932.
- CHARLES HOWE ELLER, of New Mexico, A.B. Stanford University 1927; M.D. University of Colorado 1930.
- KENAN FEVZI, of Turkey, M.D. University of Stamboul 1925.
- MALCOLM TENNYSON FOSTER, of South Carolina, A.B. Wake Forest College 1925; M.D. Emory University 1927.
- ALEXANDER GORDON GILLIAM, of Virginia, S.B. University of Virginia 1926; M.D. 1931.
- EDWARD GRZEGORZEWSKI, of Poland, M.D. University of Warsaw 1931.
- VERNE KENNETH HARVEY, of Indiana, S.B. Indiana University 1927; M.D. 1929.
- HUANG KÉ-KANG, of China, M.D. Peiping Union Medical College 1928.
- REUBEN LOUIS KAUFMAN, of California, A.B. University of California 1925; M.D. 1928.
- HAROLD MILLS KELSO, of Tennessee, M.D. University of Tennessee 1927.
- GEORGE KINNEARD, of Bahama Islands, M.D. University of Manitoba 1922.
- WILLIAM FRANCIS LAMB, of Kentucky, M.B. Northwestern University 1929; M.D. 1930.
- MORTON LOEB LEVIN, of Maryland, M.D. University of Maryland 1930.
- GERALD ELLEDGE MCDANIEL, of South Carolina, S.B. Clemson College 1920; M.D. Medical College of the State of South Carolina 1927.
- MEHMET NAZIF, of Turkey, M.D. University of Stamboul 1923.
- WILLIAM PATRICK O'CALLAGHAN, of Ireland, M.D. and B.Ch. University College, Dublin 1929; B.Sc. and D.P.H. 1931.
- GUILLERMO BUSTILLO OLIVA, of Honduras, S.B. National Institute of San Salvador 1913; M.R.C.S. England, L.R.C.P. London 1922.
- DON COLLINS PETERSON, of Texas, M.D. University of Texas 1926.
- JOHN JOSEPH PHAIR, of Ohio, S.B. University of Cincinnati 1926; M.B. 1928; M.D. 1929; S.M. 1931.
- ALBERT MARVIN PRICE, of West Virginia, M.D. University of Louisville 1924.
- PETER RAMNEANTZU, of Rumania, S.B. Gymnasium Timisoara 1921; M.D. University of Cluj 1927.
- WILLIAM PERRY RICHARDSON, of North Carolina, A.B. Wake Forest College 1926; M.D. Medical College of Virginia 1928.
- GEORGE EVANS RILEY, of Mississippi, S.B. Mississippi Agricultural and Mechanical College 1919; M.D. University of Tennessee 1929.
- LOUIS-PHILIPPE ROBERT, of Canada, A.B. St. Mary's College 1924; M.D. University of Montreal 1930.
- WILLIAM JAMES SANDIDGE, of Louisiana, M.D. Tulane University 1916.
- SEDGWICK SIMONS, of South Carolina, M.D. Medical College of the State of South Carolina 1926.
- ROBERT TULA STIMPSON, of North Carolina, A.B. University of North Carolina 1921; M.D. University of Pennsylvania 1927.
- RUSSELL ELLSWORTH TEAGUE, of Kentucky, M.D. University of Louisville 1929.
- JEAN TIFENEAU, of France, D.H. University of Paris 1931; M.D. 1932.
- SAMUEL LEWIS WADLEY, of Tennessee, A.B. Christian Brothers College 1906; A.M. (Hon.) 1913; M.D. University of Tennessee 1909.
- WILSON CARTER WILLIAMS, of Tennessee, M.D. Vanderbilt University 1925.
- MARTIN BRYAN WOODWARD, of South Carolina, S.B. Clemson College 1920; M.D. University of Georgia 1929.
- HARLIN LE ROY WYNNS, of California, A.B. University of California 1924; M.D. 1929.
- NEOKARL YANG, of China, M.D. Provincial Medical College of Chekiang 1919.
- NURI ZIA, of Turkey, M.D. University of Stamboul 1923.

(41)

MASTER OF EDUCATION

WITH TITLE OF ESSAY

- EVA ELIZABETH GERSTMYER, of Maryland, S.B. Johns Hopkins University 1928.
A Study of the Relative Value of Test-Determined

Supervisory Aid versus Non-Test-Determined Supervisory Aid in the Supervision of Primary Reading.

(1)

MASTERS OF ENGINEERING

WITH TITLES OF ESSAYS

- | | |
|---|--|
| EDWARD JAMES DWYER, of Connecticut, A.B. St. John's College 1930. Mechanical Engineering.
The Effect of Surface Roughness upon the Friction Factor of Large Ducts. | An Experimental Study of the Deflections Existing in a Model of a Concrete Road Slab. |
| CARL HUGO WALTHER, of Maryland, B.E. Johns Hopkins University 1931. Civil Engineering. | JOHN I YELLOTT, JR., of Maryland, B.E. Johns Hopkins University 1931. Mechanical Engineering.
Supersaturated Steam. |

(3)

MASTERS OF SCIENCE IN HYGIENE

WITH TITLES OF ESSAYS

- | | |
|---|--|
| BARBARA JEAN BETZ, of Wisconsin, A.B. Mount Holyoke College 1931. Biology.
The Population of a Nest of the Hornet <i>Vespa Maculata</i> . | CHARLOTTE ANN KEISLING, of Florida, A.B. Florida State College for Women 1930. Immunology.
The Distribution of Heterophile Antigen in Certain Vegetable Seeds. |
| JOSEPH MICHAEL CORDI, of Maryland, A.B. Johns Hopkins University 1931. Helminthology.
The Effect of Various Temperatures on the Eggs and Larvae of <i>Strongyloides fülleborni</i> . | GRETCHEN LUMBARD MOOREHOUSE, of Iowa, A.B. Drake University 1930. Physiological Hygiene.
The Effect of Repeated Light Exercise on the Blood Cells of Albino Rats. |
| SUE GARDNER FLORANCE, of Virginia, A.B. University of Richmond 1931. Bacteriology.
The Aerobic Bacterial Flora of Powdered Milk. | LUCILLE WINKLEY WADE, of Indiana, A.B. DePauw University 1931. Immunology.
Herpetic Inclusions in Tissue Culture. |
| ROTHY AUSTIN HOUCK, of New York, A.B. Wellesley College 1929. Bacteriology.
Bacteriophage Production by Two Strains of <i>Bacillus Dysenteriae</i> . | MARYLAND KRAFT YOUNG, of Maryland, A.B. Goucher College 1929. Biostatistics.
The Symptomatology of Successive Attacks of Upper Respiratory Disease (Common Cold). |

(8)

MASTERS OF ARTS

WITH TITLES OF ESSAYS

- | | |
|---|--|
| JOHN AMMEN BLAKE, of South Carolina, A.B. Presbyterian College of South Carolina 1926. Psychology.
History of Reaction-Time Measurement. | WARREN BARTLETT RANNEY, of South Dakota, S.B. Eastern State Teachers College 1929. History.
American Newspaper Opinion of the Eastern Question, 1875-1878. |
| LAWRENCE NELSON BLOOMBERG, of Virginia, A.B. University of Richmond 1930. Political Economy.
Goodwill: Its Nature and Valuation. | HAZEL GARD ROBINSON, of Oregon, S.B. University of Oregon 1926; A.M. Columbia University 1927. Chemistry.
Alternation of Melting Points in Organic Series. |
| ALICE DIGGS, of Maryland, S.B. Johns Hopkins University 1925. Romance Languages.
The Bible in Victor Hugo's Plays. | SEDWICK CROMWELL HOLMES THOMAS, of Maryland, LL.B. University of Baltimore 1930. Political Science.
Origin and History of the Act of Congress of March 2, 1931, with Reference to Contempts of Court. |
| BETTY KLINEFELTER, of Maryland, A.B. Smith College 1930. Romance Languages.
The Materials of Women's Costumes in French Texts of the Twelfth and Thirteenth Centuries. | WILLIAM JOHN VASSILLIWI, of New York, A.B. St. Stephen's College of Columbia University 1931. Greek.
The Study of Purpose Constructions and Related Expressions in Aristophanes. |

(8)

DOCTORS OF EDUCATION

WITH TITLES OF DISSERTATIONS

MARY STANSBURY BRAUN, of Maryland, S.B. Johns Hopkins University 1927.

Objective Rating of Teachers in Terms of Pupil Growth.

SISTER MARY NAVIER HIGGINS, R.S.M., of Maryland, A.B.

Mt. St. Agnes College 1913; A.M. Johns Hopkins University 1919.

The Value of an Analysis Chart in Supervision—Experimentally Determined.

(2)

DOCTORS OF ENGINEERING

WITH TITLES OF DISSERTATIONS

LOUIS WENDELL MARKS, of Maryland, B.E. Johns Hopkins University 1930. Electrical Engineering.

Comparison of Methods for Measuring the Dielectric Constant and Power Factor of Sheet Insulation at 1,000 Cycles.

GEORGE MILLER LOUIS SOMMERMAN, of Maryland, B.E. Johns Hopkins University 1929. Electrical Engineering.

Behavior of Dielectrics under Alternating Stress.

(2)

DOCTORS OF PUBLIC HEALTH

WITH TITLES OF ESSAYS

LUANG BHAYUNG, of Siam, G.M. Chulalongkorn University 1918; C.P.H. Johns Hopkins University 1932. Medical Entomology.

The Lateral Abdominal Hairs of Mosquito Larvae.

PARAMESWARAN KUMARAN NAIR, of India, L.M.&S. University of Madras 1924; D.P.H. Medical College, Madras 1929. Helminthology.

Factors Influencing the Distribution of Ascaris, Trichuris, and Hookworm in Communities.

JAMES ELIAB PERKINS, of Minnesota, S.B. University of Minnesota 1927; M.B. 1929; M.D. 1930; C.P.H. Johns Hopkins University 1931. Epidemiology.

A Study of the Care of Cases of Tuberculosis Occurring in Residents of the Eastern Health District.

(3)

DOCTORS OF SCIENCE IN HYGIENE

WITH TITLES OF DISSERTATIONS

HAROLD BLUMBERG, of Maryland. Biochemistry.

On the Existence of an Unrecognized Dietary Factor, Essential for the Growth of the Rat.

EDWARD THORPE BOARDMAN, of Florida, S.B. University of Florida 1928; S.M. 1929. Helminthology.

A Comparative Study of the Behavior of the Pre-parasitic Larvae of Four Bursate Nematodes.

HARRY G. DAY, of Iowa, A.B. Cornell College (Iowa) 1930. Biochemistry.

The Effects of Magnesium Deprivation, with a Superimposed Calcium Deficiency, on the Animal Body, as Revealed by Symptomatology and Blood Changes.

JOHN HOLMES DINGLE, of Washington, S.B. University of Washington 1930; S.M. 1931. Immunology.

Bacterial Carbohydrates: Their Isolation, Serological Specificity, and Immunological Significance.

AUREL OVERTON FOSTER, of New Jersey, A.B. Wesleyan University 1929; A.M. 1930. Helminthology.

Studies on the Resistance of Dogs and Cats to Infection with the Dog Hookworm, *Ancylostoma caninum*.

VERNAL IRONS, of Indiana, A.B. Indiana State College for Teachers 1927. Filterable Viruses.

Studies on Bird-Pox (*Epithelioma contagiosum*)

ELVEN CLIFFORD NELSON, of Colorado, A.B. University of Colorado 1929; A.M. 1930. Protozoology.

Cytology and Conjugation in the *Balantidium* from the Chimpanzee with Experiments on Cultivation and Transmission.

SYDNEY RAFFEL, of Maryland, A.B. Johns Hopkins University 1930. Immunology.

Specific and Non-Specific Immunity in *Trypanosoma Equiperdum* Infections.

- ANDRÉS RODRÍGUEZ, of Colombia, A.B. Duke University 1929. Bacteriology.
The Survival of Members of the Bacillus Coli-lactis Aerogenes Group in Milk Pasteurized in the Laboratory and in the Commercial Plants, with Observations on the Resistance of Bacillus Coli to a Temperature of 142° F.
- MARGUERITE MASSICOT SCHMIDT, of Maryland, A.B. Goucher College 1928. Biochemistry.
Changes in Inorganic Metabolism of Animals Deprived of Magnesium.
- MARY SHAW SHORB, of Idaho, S.B. College of Idaho 1928. Immunology.
Heterophile Antigen in Bacteria.
- WILLIAM WEEKLEY SWEZEY, of Ohio, S.B. Mount Union College 1930. Protozoology.
Studies on the Cytology, Cultivation and Behavior of Troglodytella abressarti, a Protozoan Parasite of the Chimpanzee.
- SEIGMUND BENTON TALBOT, of West Virginia, S.B. Davis-Elkins College 1924. Helminthology.
Life History, Systematic and Morphological Studies on Trematodes of the Subfamily Reniferinae.

(13)

DOCTORS OF MEDICINE

- GRANVILLE QUINN ADAMS, of Maryland, A.B. St. John's College 1929.
- SIDNEY ADLER, of Michigan, A.B. Albion College 1929.
- JOHN HAMILTON ALLEN, of Connecticut, A.B. Johns Hopkins University 1929.
- WILFRED JOHN ALLISON, JR., of Texas, S.B. Southern Methodist University 1928.
- JOHN WALMSLEY BARNABY, JR., of Maryland, A.B. Johns Hopkins University 1928.
- JOSEF THEODOR BERGMAYER, of Germany, A.B. University of North Dakota 1929; A.M. 1931.
- CHARLES BERNARD BRACK, of Maryland, A.B. Johns Hopkins University 1929.
- THOMAS MCPHERSON BROWN, of the District of Columbia, A.B. Swarthmore College 1929.
- EDWARD PARRIS BURCH, II, of Minnesota, S.B. Princeton University 1928.
- NORMAN CAMERON, of Maryland, A.B. University of Michigan 1923; Ph.D. 1927.
- EUGENE PAUL CAMPBELL, of California, A.B. University of California at Los Angeles 1929.
- FORREST LA FON CARPENTER, JR., of South Carolina, S.B. Virginia Military Institute 1929.
- ABRAHAM GEORGE COHEN, of New York, S.B. College of the City of New York 1928.
- JOSEPH GEORGE CUTLER, of Massachusetts, A.B. Harvard University 1929.
- ALBERT CLARE DANIELS, of California, A.B. Stanford University 1929.
- JOHN ENGLISH DEITRICK, of Pennsylvania, S.B. Princeton University 1929.
- ELLA KATHERINE DELANTY, of Washington, A.B. University of Oregon 1929.
- WILLIAM ALFRED DE SAUTELLE, of Tennessee, S.B. Harvard University 1929.
- DANIEL VINCENT DOUGHERTY, of New York, A.B. University of Alabama 1928; A.M. 1929.
- EDWARD VIRGIL FAMIGLIETTI, of Rhode Island, A.B. Brown University 1928.
- GERALD ROBERT FISHER, of New Mexico, S.B. University of New Mexico 1929.
- WILBUR EUGENE FISHER, of Pennsylvania, S.B. University of Pittsburgh 1928; M.S. 1929.
- RICHARD VAN FLETCHER, of Georgia, S.B. University of Georgia 1929.
- HENRY MORGENTHAU FOX, of New York, S.B. Harvard University 1928.
- ELLA MAE GALLAVAN, of Tennessee, A.B. Colorado College 1924.
- MARK EDWARD GANN, of Maryland, A.B. Johns Hopkins University 1929.
- DOROTHY ALICE GEIB, of Pennsylvania, A.B. Goucher College 1929.
- GEORGE OTTO GEY, of Pennsylvania, S.B. University of Pittsburgh 1921.
- HERMON CAMP GORDINIER, of New York, A.B. Williams College 1928.
- HENRY CLAY HARRILL, of North Carolina, S.B. Davidson College 1929.
- HENRY MATHIES HENSEN, of Maryland, S.B. Gettysburg College 1929.
- WILLIAM GRAFTON HERSPERGER, of Maryland, A.B. Johns Hopkins University 1929.
- ARTHUR HENRY HURD, of California, A.B. University of California at Los Angeles 1929.
- ALFRED HURWITZ, of Massachusetts, A.B. Harvard University 1929.
- HENRY VAN ZILE HYDE, of Ohio, A.B. Yale University 1929.
- OLIVER ALDON JAMES, of Delaware, S.B. Dickinson College 1929.
- FERDINAND EMIL KADAN, of Maryland, A.B. Johns Hopkins University 1929.
- FERDINAND LEONARD PHILIP KOCH, of Wisconsin, A.B. Stanford University 1928; A.M. University of Wisconsin 1931.

- ORREN BOND LANDRUM, of Tennessee, S.B. University of Tennessee 1929.
- ELISABETH LOUISE LANGELUTTIG, of Maryland, A.B. Goucher College 1929.
- JAMES COBB LASLIE, of Alabama, A.B. University of Alabama 1929.
- ELFRED LLEWELLYN LEECH, of Maine, A.B. Bowdoin College 1929.
- ROBERT ANDERSON LYON, of California, A.B. University of California at Los Angeles 1927.
- JOHN BEEBEE McCUE, of Delaware, A.B. University of Delaware 1929.
- HENRY BENEDICT MAKOVER, of Maryland, A.B. Johns Hopkins University 1929.
- WESLEY KWOH-CHEN MAY, of China, A.B. Johns Hopkins University 1928.
- WILLIAM MENDELSON, of Connecticut, S.B. Yale University 1924.
- CARL GEORGE MERKEL, of Maryland, A.B. St. John's College 1929.
- J. WEBSTER MERRITT, of Florida, S.B. University of Florida 1929.
- WOODBRIDGE EDWARDS MORRIS, of Connecticut, A.B. Yale University 1923.
- EMILY GUILD NICHOLS, of Maine, A.B. Wellesley College 1922.
- CLAUDE CARLYLE NUCKOLS, JR., of New York, S.B. Colgate University 1929.
- MAHLON DICKERSON OGDEN, JR., of Arkansas, S.B. Princeton University 1929.
- MORRIS HERBERT PINCUS, of New York, S.B. University of Maryland 1929.
- JOHN FAULKNER RAINEY, of South Carolina, A.B. Erskine College 1927.
- MIDDLETON ELLIOTT RANDOLPH, of Virginia, S.B. University of Virginia 1929.
- LAYTON SIMMERMAN ROGERS, of California, A.B. University of California at Berkeley 1929.
- HERMAN MAX SCHIEBEL, of Pennsylvania, A.B. Johns Hopkins University 1929.
- HAROLD SAUL SCHIRO, of Maine, A.B. Bowdoin College 1929.
- IRVING HOOS SCHWAB, of Pennsylvania, A.B. Lehigh University 1929.
- WARREN HOOPER SEARS, of Massachusetts, A.B. Amherst College 1928.
- HAMILTON SOUTHWORTH, of New York, A.B. Yale University 1929.
- LUTHER CAMPBELL SPENGLER, JR., of Virginia, A.B. Washington and Lee University 1929.
- JOHN FRANCIS SPRANZ, of New Jersey, A.B. Holy Cross College 1929.
- RICHARD HENRY TODD, of Pennsylvania, A.B. Johns Hopkins University 1929.
- WILLIAM JOSEPH TURNER, of Pennsylvania, S.B. Pennsylvania State College 1927.
- THOMAS DAVID TYSON, JR., of North Carolina, A.B. Duke University 1929.
- LOFTUS LINWOOD WALTON, of Virginia, A.B. University of Richmond 1929.
- TOBIAS WEINBERG, of Maryland, A.B. Johns Hopkins University 1930.
- WILLIAM HUGH LATIMER WESTBROOK, JR., of Virginia, A.B. Duke University 1929.
- CLINTON NATHAN WOOLSEY, of New York, A.B. Union College 1928.
- FRANCIS HOWELL WRIGHT, of New York, S.B. Haverford College 1929.

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DOCTORS OF PHILOSOPHY

WITH TITLES OF DISSERTATIONS

- BEATRICE AITCHISON, of the District of Columbia, A.B. Goucher College 1928; A.M. Johns Hopkins University 1931. Mathematics.
On Mapping with Functions of Finite Sections.
- KARL JOHN RICHARD ARNDT, of Maryland, A.M. University of Washington 1928. German.
Wildenbruch's "Rudolf v. d. Wart" and Its Motif in German Drama.
- LEWIS FRANKLIN BALL, of Maryland, A.B. Johns Hopkins University 1928. English.
Studies in the Structure of the Minor English Renaissance Epics.
- WILLARD EVAN BLEICK, of New Jersey, M.E. Stevens Institute of Technology 1929. Chemistry.
The Mutual Repulsive Potential of Closed Shells.
- STEPHEN BRUNAUER, of the District of Columbia, A.B. Columbia University 1925; S.M. George Washington University 1929. Chemistry.
Studies in the Thermodynamics and Kinetics of Surface Nitride Formation on Iron Synthetic Ammonia Catalysts.
- ROY JOHNSON BULLOCK, of Maryland, A.B. Doane College 1925; M.B.A. Harvard University 1927. Political Economy.
A History of the Chain Grocery Store in the United States.
- HENRY GERSHON BURKE, of Maryland, LL.B. University of Maryland 1927. Political Science.
The Public Service Commission of Maryland.

- TUNG TOU CHEN, of China, A.B. Nan Kai University 1926. Physiological Chemistry.
Electrode Potentials of Biologically Important Oxidation—Reduction Systems with Unstable Oxidants.
- MARION FRANCES CHEVALIER, of California, A.B. Pomona College 1924; A.M. 1925; A.M. University of Southern California 1928. Romance Languages.
A Dramatic Adaptation of Rabelais in the Seventeenth Century: *Les Aventures et le Mariage de Panurge* (1674) by Pousset de Montauban, with a Study of His Life and Other Plays.
- THOMAS CROSS, JR., of Kentucky, B.S. in Industrial Chemistry, University of Kentucky 1930. Chemistry.
The Relative Oxidizability of Organic Compounds by Gaseous Oxygen.
- GLADYS DORSEY, of Maryland, A.B. Goucher College 1926. Romance Languages.
Histoire de la Royne Berte et du Roy Pepin (Ms. Berlin Staatsbibliothek, 130), Edited with an Introduction and Glossary.
- RALPH VEEDER EHLE, of New York, A.B. Johns Hopkins University 1927; A.M. 1931. German.
America Reflected in the Two German Periodicals: *Die Deutsche Rundschau*, and *Die Neue Rundschau*, from 1900 to 1928.
- MARTIN ANDERSON ELLIOTT, of Maryland, B.E. Johns Hopkins University 1930. Gas Engineering.
The Catalytic Effect of Soda on the Reaction between Steam and Carbon from the Pyrolysis of Low Grade Oils.
- COLEEN FOWLER, of Maryland. Zoology.
Permeability of Amoeba Proteus to Water.
- JAMES WALTER GRAHAM, of Nova Scotia, A.B. Acadia University 1927; A.M. 1928. Archaeology.
Domestic Architecture in Classical Greece.
- WENDELL LAFON GRAY, of Georgia, A.B. Oglethorpe University 1928. Psychology.
The Effect of Forced Activity on Maze Learning and the Selection and Consumption of Food by Rats.
- JOSEPH GREENBERG, of Maryland, S.B. Johns Hopkins University 1926. Chemistry.
Properties of Ketene.
- LAWRENCE RANDOLPH HAFSTAD, of the District of Columbia, S.B. University of Minnesota 1926. Physics.
The Application of the FP-54 to Atomic Disintegration-Studies with Observations on Neutrons and on the Resonance-Disintegration of Aluminum.
- FRANCIS MAHLON HASBROUCK, of Maryland, A.B. Johns Hopkins University 1928. Romance Languages.
Spanish and Portuguese Historical Characters in Modern French Drama before 1830.
- LINDSAY HELMHOLZ, of Minnesota. Chemistry.
Lattice Energies of Rubidium Bromide and Sodium Chloride and Electron Affinities of Their Halogens.
- RUTH ILSLEY HICKS, of Maryland, A.B. Vassar College 1930. Archaeology.
Theseus.
- DOROTHY KENT HILL, of New York, A.B. Vassar College 1928. Archaeology.
Conventions of Attic Black-Figured Drawing.
- TING-YOUNG HUANG, of China, A.B. Soochow University 1929; A.M. University of Illinois 1930. Political Science.
The Doctrine of Rebus Sic Stantibus in International Law.
- RICHARD VAN VOORHEES HUGHES, of Nebraska, S.B. University of Nebraska 1925. Geology.
Geology of the Beartooth Mountain Front in Park County, Wyoming.
- FRIDA ILMER, of Colorado. German.
Die Gestalt des Künstlers bei Schnitzler.
- WILLIAM REDMOND JOHNSTON, of Washington, S.B. University of Washington 1930. Chemistry.
Activation Energies in Thermal Organic Decompositions.
- THOMAS AUSTIN KIRBY, of Maryland, A.B. Catholic University of America 1927; A.M. 1928. English.
Chaucer's *Troilus*: A Study in Courtly Love.
- ABNER KOMAROFF, of Palestine, B.V.A. American University of Beirut 1930. Political Economy.
The Foreign Trade of the United States in Citrus Fruits.
- WILLIAM EVERETT LAND, of Maryland, B.S. in Chemistry Johns Hopkins University 1928. Chemistry.
A Study of the Influence of Capillarity on the Melting Point of Iodine.
- ISADOR LEVIN, of Maryland. Chemistry.
X-Ray Study of So-Called Amorphous Varieties of Silica.
- CHRISTINA LOCHMAN, of Illinois, A.B. Smith College 1929; A.M. 1931. Geology.
The Fauna of the Basal Bonnetterre Formation of Missouri.
- WILLIAM HOWARD LOCKWOOD, of Tennessee, B.S. in Chemistry University of Tennessee 1926; S.M. 1927. Chemistry.
Catalytic Oxidation.
- JOHN HERPICK LONG, of Pennsylvania. Chemistry.
A Study of the Structure and the Activity of Mixed Metal Catalysts.
- BERTHA LILLIAN LOOMIS, of New York, A.B. Keuka College 1910; A.M. Columbia University 1922. Archaeology.
The Elephant in the Literature and Art of Greece and Rome.
- RAYMOND NATHAN LOVE, of Maryland. Chemistry.
A Study of the Distribution of Solutes in Gels.
- SUSAN HUTCHISON MARTIN, of Indiana, A.B. St. Mary-of-the-Woods College 1924. Archaeology.
Ancient Melos.
- JACOB ROBERT MEADOW, of Mississippi, A.B. Arkansas College 1925; A.M. University of Arkansas 1927. Chemistry.
Ring Compounds and Polymers from Polymethylene Dihalides and Dimercaptans.

- EDMUND ERSKINE MILLER, of Delaware, A.B. Washington Missionary College 1922; A.M. University of Maryland 1929. German.
Zur Textgeschichte von Wielands "Agathon".
- JOHN WOLCOTT MURRAY, of New York, A.B. Colgate University 1930. Chemistry.
The Raman Spectrum of the Benzene Ring as Shown by Some Benzene Compounds.
- ROWLAND MASON MYERS, of New York, S.B. Dartmouth College 1928. Romance Languages.
Contribution à l'Histoire du Sentiment Musical dans la Littérature Française de la Renaissance à la Fin du Règne de Louis XIII.
- VERNON ALFRED O'ROURKE, of Michigan. Political Science.
The Juristic Status of Egypt and the Sudan.
- EMMA J. JOHNSTONE PAPPENFUSS, of Missouri, A.M. Johns Hopkins University 1931. Zoology.
Experimental Studies on Fusion and Reunion in Hydra.
- GEORGE FREDERIK PAPPENFUSS, of South Africa, S.B. North Carolina State College 1929. Botany.
Alternation of Generations in *Ectocarpus siliculosus*.
- MARY FISHER PARMENTER, of Florida, A.B. Goucher College 1921; A.M. Johns Hopkins University 1930. English.
Colin Clout and Hobbinoll: A Reconsideration of the Relationship of Edmund Spenser and Gabriel Harvey.
- PAUL MORRISON PATTERSON, of South Carolina, A.B. Davidson College 1925; A.M. University of North Carolina 1927. Botany.
A Study of *Dumortiera hirsuta*.
- ROBERT HAMILTON PECKHAM, of Maryland, A.B. University of Rochester 1930. Psychology.
The Study of Eye-Movements during Alternation in Binocular Vision.
- AMOS BENKOV KUAN-CHIN PENN, of China. Zoology.
Factors Which Control Encystment in *Pleurotricha lanceolata*.
- SHAILER SHAW PHILBRICK, of Illinois, A.B. DePauw University 1930. Geology.
The Contact Metamorphism of the Onawa Pluton, Piscataquis County, Maine.
- WILLIAM SIBLEY PIKE, JR., of Maryland. Geology.
Correlation of the Upper Cretaceous between McCarty and Alamosa Creek, New Mexico.
- JESSE HOPKINS PLUMMER, of Maryland. Physics.
Infra-red Powder Filters.
- CHARLES GORDON POST, JR., of Maryland, A.B. Johns Hopkins University 1925. Political Science.
The Doctrine of Political Questions.
- AUGUSTUS JOHN PRAHL, of Maryland, A.M. Washington University 1928. German.
Gerstäcker und die Probleme Seiner Zeit.
- ERNEST BATSON PRICE, of Maryland, A.B. University of Rochester 1913. Political Science.
The Russo-Japanese Treaties of 1907-16, Concerning Manchuria and Mongolia.
- DOUGLASS EVANS RANKIN, of North Carolina, A.B. Agnes Scott College 1927. Botany.
A Study of the Life History of *Polypodium polypodioides*, with Especial Reference to Spermatogenesis.
- DORIS RAYMOND, of Wisconsin, A.B. Milwaukee-Downer College 1924; A.M. University of Chicago 1928. Archaeology.
Macedonian Regal Coinage before Philip II.
- CROMWELL ADAMS RICHES, of Maryland, A.B. Reed College 1925; A.M. Columbia University 1926. Political Science.
The Unanimity Rule and the League of Nations.
- REUBEN ROSEMAN, of Maryland, B.S. in Chemistry Johns Hopkins University 1929. Chemistry.
The Preparation of Very Pure Solutions of Titanic Sulfate and Titanous Sulfate, and the Estimation of Iron in Solutions Containing Both Bivalent Iron and Trivalent Titanium.
- EDNA ROTHHOLZ, of Maryland, A.B. Goucher College 1914; A.M. Middlebury College, 1922. Romance Languages.
The Vocabulary of the Earlier Works of Chateaubriand.
- MICHAEL FRANCIS ROUSE (BROTHER BEDE), of Maryland, S.B. Villanova College 1895; A.M. University of Louisville 1923. Education.
A Study of the Development of Negro Education under Catholic Auspices in Maryland and the District of Columbia.
- WILLIAM SENER RUSK, of New York, A.B. Princeton 1915; A.M. Johns Hopkins University 1924. Archaeology.
Thornton, Latrobe and Walter and the Classical Influence on Their Works.
- JOHN ADOLPH SANDERSON, of Mississippi, A.B. University of Mississippi 1928; A.M. 1929. Physics.
The Rotation Vibration Spectrum of CS_2 at 4.6μ .
- VERNON PHILLIP SCHEIDT, of Maryland, A.B. St. John's College 1929. Psychology.
Revision and Further Application of the Nela Test for Color Blindness.
- CHARLES HENRY SHAW, of California, A.B. University of California at Los Angeles 1930. Physics.
Shapes and Wave-lengths of X-ray Lines.
- THOMAS FRANCIS SHEA, of Maryland, S.B. Massachusetts State College 1923; S.M. University of Washington 1927. Chemistry.
Adsorption on a Plane Surface.
- G. BALLARD SIMMONS, of Florida, A.B. University of Florida 1922; A.M. 1929. Education.
The Consolidation of Higher Public Education in Florida.
- EVELYN ELLEN SINGLETON, of Maryland, A.B. Goucher College 1930. Political Economy.
Workmen's Compensation in Maryland.
- FRED BARNES SLAGLE, of Maryland, B.S. in Chemistry Johns Hopkins University 1930. Chemistry.
X-ray Studies of Fatty Acids and Mixtures of Fatty Acids.
- HEINZ SPECHT, of Maryland, S.B. Princeton University 1930. Zoology.
Relation between Oxygen Tensions and Metabolic Activity in *Spirostomum ambiguum*.

ROBERT DANIEL STEHLER, of New York. Chemistry.
Equilibria in Azine Oxidation-Reduction Systems.

ROBERT WILLIAM THON, JR., of Maryland. Political
Economy.
Mutual Savings Banks in Baltimore.

ARNOLD ELZEY WATERS, JR., of Maryland, A.B. Johns Hop-
kins University 1927. Geology.

Placers of the Rampart and Hot Springs Districts,
Alaska: A Study of Their Mineralogy and Its Geo-
logic Significance.

CHARLES HORATIO WHEELER, III, of West Virginia, S.B.
Washington and Jefferson College 1926. Mathematics.
A Type of Homogeneity for Continuous Curves.

JOHN ARCHIBALD WHEELER, of Maryland. Physics.
Theory of the Dispersion and Absorption of Helium.

DONALD ALVIN WILSON, of Pennsylvania, S.B. Geneva Col-
lege 1930. Chemistry.

X-Ray Studies of Long Chain Compounds at Low Tem-
peratures and at Room Temperature.

CARL GEORGE WOLF, of Maryland, A.B. Capital University
1907; A.M. Johns Hopkins University 1921. Archae-
ology.

The Peacock in Classical Civilization.

