



BULLETIN

OF THE

University of Maryland School of Medicine

AND

College of Physicians and Surgeons

Successor to THE HOSPITAL BULLETIN, of the University of Maryland,
BALTIMORE MEDICAL COLLEGE NEWS, and the JOURNAL of the Alumni Association
of the College of Physicians and Surgeons.

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ANNUAL ANNOUNCEMENT.

SESSION 1922-1923.

CALENDAR

1922-1923.

SCHOOL OF MEDICINE.

September 18 to 25, Inc.—Examinations for advanced standing.

October 2—Regular session begins.

November 30—Closed (Thanksgiving Day).

December 21—Christmas recess begins after last lecture period.

January 2—Lectures resumed 9 A. M.

February 22—Closed (Washington's Birthday).

March 29—Easter recess begins after last lecture period.

April 3—Lectures resumed. 9 A. M.

June 9—Commencement.

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

The University has the following educational organization:

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- The School of Dentistry,
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The Schools of Medicine, Law, Dentistry, Pharmacy and Commerce are located in Baltimore; the others in College Park, Maryland.

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 G. A. STRAUSS, M.D.
 LEO BRADY, M.D.

Obstetrics.

L. H. DOUGLASS, M.D., *Chief of Clinic.*
 J. G. M. REESE, M.D.
 DUDLEY PLEASANTS BOWE, B.A., M.D.
 STANLEY G. MATTHEWS, M.D.
 F. H. MACHIN, M.D.
 J. W. EBERT, M.D.

Eye and Ear.

HARRY FRIEDENWALD, M.D., *Professor of Ophthalmology and Otology.*
 J. W. DOWNEY, M.D.
 H. L. SINSKY, M.D., *Chief of Clinic.*

Nose and Throat.

E. A. LOOPER, M.D., *Clinical Professor of Diseases of Throat and Nose.*
 FRANK B. ANDERSON, *Chief of Clinic.*
 CHARLES J. NORTON, M.D.
 GEORGE MURGATROYD, M.D.
 H. R. LICKLE, M.D.

Social Service.

MISS GRACE PEARSON, *Directress.*

MERCY HOSPITAL STAFF.

SURGICAL DIVISION.

ARCHIBALD C. HARRISON, M.D.
 C. F. BLAKE, M.D.

ALEXIUS McGLANNAN, M.D.
 W. D. WISE, M.D.

MERCY HOSPITAL STAFF.

Associate Surgeons.

ELLIOTT H. HUTCHINS, M.D.
 R. H. LOCHER, M.D.
 THOMAS R. CHAMBERS, M.D.
 HARVEY B. STONE, M.D.
 A. M. EVANS, M.D.
 WILLIAM W. REQUARDT, M.D.
 F. L. JENNINGS, M.D.

Assistant Surgeons.

AMOS HUTCHINS, M.D.
 I. O. RIDGELY, M.D.
 N. C. MARVEL, M.D.
 F. X. KEARNEY, M.D.
 CHAS. MAXON, M.D.
 H. B. McELWAIN, M.D.
 EVERARD BRISCOE, M.D.

Ophthalmologist and Otologist.

HARRY FRIEDENWALD, M.D.

Associates.

H. K. FLECK, M.D.
 J. W. DOWNEY, M.D.

Rhinologists and Laryngologists.

FRANK D. SANGER, M.D.
 GEORGE W. MITCHELL, M.D.

Associate Rhinologists and Laryngologists.

W. F. ZINN, M.D.
 RAYMOND MCKENZIE, M.D.

Proctologist.

CHARLES F. BLAKE, M.D.

Assistant.

L. J. ROSENTHAL, M.D.

Orthopedic Surgeon.

ALBERTUS COTTON, M.D.

Associate.

H. L. ROGERS, M.D.

Urologist.

A. G. RYTINA, M.D.

Assistant.

A. J. GILLIS, M.D.

MEDICAL DIVISION.

Physicians.

WILLIAM F. LOCKWOOD, M.D.
 STANDISH McCLEARY, M.D.

CARY B. GAMBLE, M.D.
 H. G. BECK, M.D.

MERCY HOSPITAL STAFF

Associates.

HUBERT C. KNAPP, M.D.
C. C. W. JUDD, M.D.
MARTIN F. SLOAN, M.D.

E. E. MAYER, M.D.
BARTUS P. BAGGOTT, M.D.
G. MCLEAN, M.D.

J. W. MARTINDALE, M.D.

Gastro-Enterologists.

JULIUS FRIEDENWALD, M.D.

Associates.

T. FREDERICK LEITZ, M.D.

THEODORE MORRISON, M.D.

Assistants.

MAURICE FELDMAN, M.D.

JOSEPH SINDLER, M.D.

Pediatrists.

JOHN RUHRAH, M.D.

EDGAR B. FRIEDENWALD, M.D.

Associate.

HARRY GOLDBERG, M.D.

Neurologist and Psychiatrist.

ANDREW C. GILLIS, M.D.

Assistants.

L. A. M. KRAUSE, M.D.

MILFORD LEVY, M.D.

Dermatologist.

MELVIN ROSENTHAL, M.D.

OBSTETRICAL DIVISION.

Obstetricians.

GEO. W. DOBBIN, M.D.

CHARLES E. BRACK, M.D.

Associate Obstetricians.

E. P. SMITH, M.D.

T. K. GALVIN, M.D.

GYNECOLOGICAL DIVISION.

Gynecologists.

WILLIAM S. GARDNER, M.D.

ABRAHAM SAMUELS, M.D.

GEORGE A. STRAUSS, M.D.

MERCY HOSPITAL DISPENSARY STAFF

Associate Gynecologists.

T. K. GALVIN, M.D.

E. P. SMITH, M.D.

PATHOLOGICAL DIVISION.

Pathologist.

STANDISH MCCLEARY, M.D.

Clinical Pathologist.

H. T. COLLENBERG, M.D.

Technicians—SISTER M. JOAN, Ph.G., R.N., ADELIA KELLY, R.N.

DEPARTMENT OF DENTISTRY.

Attending Dentist.

NORVAL McDONALD, D.D.S.

X-RAY DEPARTMENT.

Radiographers.

ALBERTUS COTTON, M.D.

HARRY L. ROGERS, M.D.

MERCY HOSPITAL—RESIDENT STAFF.

D. J. PESSAGNO, M.D., Chief Resident.

C. F. FOLEY, M.D.

RAYMOND PETERS, M.D.

J. E. KOPLOWITZ, M.D.

K. W. GOLLEY, M.D.

C. G. MCCOY, M.D.

OSCAR G. COSTA, M.D.

A. R. SAPORITO, M.D.

THOS PEREIRA, M.D.

E. MARTINEZ, M.D.

DISPENSARY STAFF OF MERCY HOSPITAL.

*Surgery.**Supervisors.*

ALEXIUS McGLANNAN, M.D.

W. D. WISE, M.D.

Attending Surgeons.

A. M. EVANS, M.D.

O. H. LLOYD, M.D.

D. H. MOHR, M.D.

CLYDE MARVEL, M.D.

F. X. KEARNEY, M.D.

A. F. HUTCHINS, M.D.

I. O. RIDGELY, M.D.

EVERARD BRISCOE, M.D.

H. B. McELWAIN, M.D.

MERCY HOSPITAL DISPENSARY STAFF

Genito Urinary Surgery.

Supervisor, A. G. RYTINA, M.D.

*Attending Surgeons.*A. L. TUMBLESON, M.D.
HARRIS GOLDMAN, M.D.H. C. KNAPP, M.D.
A. J. GILLIS, M.D.

J. F. HOGAN, M.D.

Orthopedic Surgery.

ALBERTUS COTTON, M.D.

HARRY L. ROGERS, M.D.

Medicine.

Supervisor, WM. F. LOCKWOOD, M.D.

*Attending Physicians.*MARTIN F. SLOAN, M.D.
HERMAN SEIDEL, M.D.
WETHERBEE FORT, M.D.R. T. BAGGOTT, M.D.
L. A. M. KRAUSE, M.D.
EDWARD NOVAK, M.D.*Diseases of Stomach.*

Supervisor, JULIUS FRIEDENWALD, M.D.

*Attending Physicians.*T. FREDERICK LEITZ, M.D.
THEODORE H. MORRISON, M.D.
M. FELDMAN, M.D.JOSEPH SINDELE, M.D.
M. CHIDECKEL, M.D.
S. ZINBERG, M.D.

A. EISENBERG, M.D.

Nervous Diseases.

Supervisor, A. C. GILLIS.

Attending Physicians.

MILFORD LEVY, M.D.

GEO. F. SARGEANT, M.D.

*Diseases of Women.**Supervisors.*

W. S. GARDNER, M.D.

A. SAMUELS, M.D.

*Attending Surgeons.*E. P. SMITH, M.D.
T. K. GALVIN, M.D.H. PALMISIANO, M.D.
C. F. J. COUGHLIN, M.D.*Diseases of Nose and Throat.*

W. F. ZINN, M.D.

R. F. MCKENZIE, M.D.

KERNAN HOSPITAL STAFF

Diseases of Eye and Ear.

H. K. FLECK, M.D.

M. RASKIN, M.D.

Pediatrics.

I. J. FEINGART, M.D.

EDGAR B. FRIEDENWALD, M.D.

M. EPHRAIM, M.D.

M. CUMIN, M.D.

Neuro-Otology.

J. W. DOWNEY, JR., M.D.

Proctology.

L. J. ROSENTHAL, M.D.

Dermatology.

MELVIN ROSENTHAL, M.D.

Dental Clinic.

NORVAL McDONALD, D.D.S.

L. A. WALZAK, D.D.S.

Social Service Department.

KATHERINE A. MONAHAN, R.N., Director.

CATHERINE CAMPBELL, R.N., Assistant.

CLARA E. CONNERY, R.N., Chief Dispensary Nurse.

HELEN M. MOORE.

ISABELLE BRUTON, Register.

Dispensary Directress.

SISTER M. HELEN, R.N.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL
SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

R. TUNSTALL TAYLOR, A.B., M.D., Surgeon-in-Chief.

Associate Surgeons.

SYDNEY M. CONE, A.B., M.D.

ALBERTUS COTTON, A.M., M.D.

COMPTON RIELY, M.D.

Attending and Dispensary Surgeons.

W. H. DANIELS, M.D.

J. ALBERT KEY, B.A., M.D.

E. LEWIS ARDMAN, B.A., M.D.

KERNAN HOSPITAL STAFF

Instructors in Corrective Gymnastics.

MISS ANITA RENSHAW PRESSTMAN.

MISS ELIZABETH EMOBY.

MISS MARY H. LEE, *Principal of School.**Kindergartner and Industrial Teacher.*

(To be appointed.)

Roentgenologists.

HENRY J. WALTON, M.D.

J. F. LUTZ, M.D.

Attending Plastic Surgeon.

JOHN STAIGE DAVIS, B.Sc., M.D.

Attending Physician.

BENJAMIN TAPPAN, B.A., M.D.

Attending Surgeon.

A. M. SHIPLEY, M.D.

Attending Neuro Surgeon.

CHARLES BAGLEY, JR., M.D.

Attending Laryngologist.

F. B. ANDERSON, M.D.

Attending Dermatologist.

JOHN R. ABERCROMBIE, A.B., M.D.

Attending Pathologist.

HOWARD J. MALDEIS, M.D.

Attending Urologist.

GIDEON TIMBERLAKE, M.D.

Attending Oculist and Aurist.

WILLIAM TARUN, M.D.

Attending Neurologist.

IRVING J. SPEAR, M.D.

Attending Dentists.

G. E. P. TRUITT, D.D.S.

J. B. BELL, D.D.S.

BAYVIEW HOSPITAL STAFF

*Consulting Surgeons.*W. S. HALSTEAD, A.B., LL.D., B.Sc., M.D.
RANDOLPH WINSLOW, A.M., M.D., LL.D.J. M. T. FINNEY, A.B., M.D.
ARCHIBALD C. HARRISON, M.D.*Consulting Physicians.*THOMAS R. BROWN, A.B., M.D.
THOMAS B. FUTCHER, A.B., M.D.LLEWELLYS F. BARKER, A.B., M.D.
WILLIAM S. THAYER, A.B., M.D.*Consulting Oculist.*

HIRAM WOODS, M.D.

Consulting Laryngologist.

JOHN N. MACKENZIE, A.B., M.D.

Dispensary and Social Service Nurse.

MISS MABEL BROWN, R.N.

Head Nurse.

MISS IDA LACHLEY, R.N.

STAFF OF THE CITY HOSPITALS AT BAYVIEW.

THOMAS R. BOGGS, S.B., M.D., *Physician-in-Chief.*ARTHUR M. SHIPLEY, M.D., *Surgeon-in-Chief.*H. D. MCCARTY, M.D., *Physician-in-Chief to the Municipal Tuberculosis Hospital.*HARRY GOLDSMITH, M.D., *Physician-in-Charge of the City Detention Hospital for the Insane.*JOHN R. CASH, M.D., *Pathologist.*LAWRENCE GETZ, M.D., *Acting Pathologist in the Absence of Dr. Cash.*

CONSULTING STAFF.

Ophthalmologist.

JAMES J. MILLS, M.D.

Otologist.

WILLIAM TARUN, M.D.

Gynecologist.

R. G. WILLSE, M.D.

BAYVIEW HOSPITAL STAFF

Urologist.

W. H. TOULSON, M.D.

Laryngologists.

FRANK DYER SANGER, M.D.

H. R. SLACK, M.D.

Pediatrician.

JOHN RUHRAH, M.D.

Neurologist.

HENRY M. THOMAS, M.D.

Psychiatrists.

HENRY J. BERKELEY, M.D.

ADOLPH MEYER, M.D.

Assistant Visiting Physician.

CHARLES R. AUSTRIAN, M.D.

Assistant Visiting Surgeon.

FRANK S. LYNN, M.D.

STAFF OF NURSERY AND CHILD'S HOSPITAL.

Attending Physicians.

EDGAR B. FRIEDENWALD, M.D.

ISRAEL FEINGLOS, M.D.

Surgeons.

THOMAS R. CHAMBERS, M.D.

F. L. JENNINGS, M.D.

Ophthalmologist and Otologist.

HARRY FRIEDENWALD, M.D.

Laryngologist and Rhinologist.

M. L. BREITSTEIN, M.D.

Orthopedist.

WILLIAM NACHLAS, M.D.

Interne.

FREDERICK DART.

STAFF OF NURSERY AND CHILD'S HOSPITAL

Superintendent.

MISS GEORGE ALLEN HUTTON.

Assistant Superintendent.

MISS MARGARET COLLISON.

ST. VINCENT'S INFANT ASYLUM.

Visiting Physicians.

CHARLES O'DONOVAN, A.M., M.D.

CHARLES P. CLAUTICE, M.D.

CHARLES L. SUMMERS, M.D.

CHARLES R. GOLDSBOROUGH, M.D.

T. F. WHITE, M.D.

Visiting Surgeon.

ALEXIUS MCGLANNAN, M.D.

Visiting Oculists and Aurists.

J. FRANK CROUCH, M.D.

CLYDE A. CLAPP, M.D.

Visiting Orthopedic Surgeon.

COMPTON REILLY, M.D.

Visiting Proctologist.

G. MILTON LINTHICUM, A.M., M.D.

Pathologist.

SYDNEY M. CONE, A.M., M.D.

MATRICULATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS, 1921-1922.

MATRICULATES 1921-1922

25

POST-GRADUATES AND SPECIAL STUDENTS.

Name	State	Name	State
Barnes, Harry A., M.D.	Maryland	King, W. P.	North Carolina
Benson, Frank L., M.D.	Pennsylvania	Krieger, Emanuel, D.D.S.	Maryland
Bowers, Ralph C., M.D.	Maryland	Meintzberger, Gilbert Stephen	Maryland
Burton, Frank J., M.D.	Utah	Moore, Donald Bain, M.D.	North Carolina
Cahn, Charles A., M.D., D.D.S.	Maryland	Norman, John Standing, M.D.	North Carolina
deCaesar, Dominick Joseph	New York	Patterson, R. D., M.D.	North Carolina
Cousins, John Andrew	Maryland	Preston, D. G., M.D.	Virginia
Craig, Branch, M.D.	Texas	Shepard, Gertrude	Georgia
Ensor, C. B., M.D.	Maryland	Williams, Timothy Graham, M.D.	North Carolina
Foxwell, Raymond K., M. D.	D. C.		
Hawkins, Vallie, M.D.	Pennsylvania		
Holroyd, Frank F., M.D.	West Virginia		

FOURTH YEAR CLASS.

Name	State	Name	State
Bailey, Harry, A.B.	Connecticut	McCoy, C. Glen, A. B.	West Virginia
Buchness, Anthony V., A. B.	Maryland	Mercier, Albin Scott, A. B.	Utah
Champe, Jr., Ira Preston	West Virginia	Middlemiss, Wm. Robert, B. S.	Pennsylvania
Doshay, Louis Jacob, A.B.	New York	Monninger, Arthur Cecil	New York
Fleischmann, Berthold, B. S.	New York	Morgan, Edward Nicholas	Connecticut
Freidus, Elias	New York	Noll, Louis, B. S.	Maryland
Fritz, Julius Dudley	New York	O'Connor, John Andrew, A. B.	West Virginia
Fulton, William James	Maryland	Payne, John Edward, B. S.	Maryland
Ginsberg, William, A.B.	New York	Peters, H. Raymond, B. A.	North Carolina
Goldmann, Bernhard Alexander	Pennsylvania	Pittman, Henry Lee	Connecticut
Gollick, William A., B. S.	New Jersey	Pullen, Guy Foote	Florida
Gordon, Elias, B.S.	Pennsylvania	Rhodes, Bricey Milton	North Carolina
Gordon, Herbert	New York	Rudisill, John David, A. B.	New York
Greenbaum, Leonard Harry	Maryland	Salzberg, Abraham Hellman	New Jersey
Groff, Morris	New York	Saporito, Archibald R.	Connecticut
Halley, George Conrad	Idaho	Sekerak, Arthur Joseph Francis	Maryland
Harman, Robert Dove, B.S.	West Virginia	Shannon, George Edmon	New York
Hatfield, Daniel S.	West Virginia	Shapin, Sydney	Connecticut
Heitsch, Hubert M.	Michigan	Shapiro, Louis Mendelsohn, B. A.	New York
Hollister, William, B. S.	North Carolina		
Horowitz, Herman Jack, B. S.	New York	Sternberg, Harry Melmoth	Connecticut
Huff, William, A.B.	Virginia	Stovin, Joseph Samuel, Ph. B.	Connecticut
Ingram, David N.	Maryland	Stout, Philip David, B. A.	Tennessee
Keefe, George G., A. B.	Connecticut	Sweet, Samuel Waterman, B. S.	New York
Kerdasha, George S.	New Jersey		
Krager, John J., A.B.	Maryland	Trynin, Aaron H., B. A.	Pennsylvania
Kunkowski, Andrew	Maryland	Warfield, Jr., John Ogle, A. B.	Maryland
Lang, Milton Charles	Maryland		
Lawson, Lawrence Wells, A.B.	Maryland	Wilson, Thomas Norwood, A. B.	Maryland
Linke, James Julian Paul, B. S.,	West Virginia		
	New Jersey		

THIRD YEAR CLASS.

Name	State	Name	State
Beck, Nathaniel M., A. B.	Maryland	Moler, Raleigh M., B.S.	West Virginia
Berkson, Morris I.	Pennsylvania	Murray, Robert Lebby, B.S.	North Carolina
Bowers, Jr., Thaddeus R., A.B.	North Carolina	Myers, Karl Johnson, B.S.	West Virginia
	North Carolina	Newcomer, David R., B.S.	Maryland
Clapham, Roger E., B.S.	West Virginia	Newcomer, Ward E., B.S.	Pennsylvania
Cortese, Anthony Edward	New Jersey	Parson, Willard Sigsbee	Pennsylvania
Dart, Frederick Bond	Connecticut	Peterman, James Elmer	Maryland
Desane, Joseph	New York	Pondfield, Louis F., B.A.	New Jersey
Edmonds, John Milton	Michigan	Pontery, Herbert	New Jersey
Fleishman, Dewey Lynwood, B.S.	West Virginia	Povalski, Alexander William	West Virginia
	West Virginia	Prather, Fonzo Goff, B.S.	Pennsylvania
Goldberg, Ben	New York	Rothfuss, Paul A., B. S.	Pennsylvania
Gordon, Abraham S.	New York	Ruche, Harry Charles	Pennsylvania
Giffin, Theodore Clifton, B.S.	West Virginia	Saurborne, Sylvia M. B., B.S.	West Virginia
	West Virginia		
Grose, Robt. Glenn, B.A.	North Carolina	Schorr, Richard	New York
Groves, Robt. B., B.A.	North Carolina	Shealy, Walter Hal, E. A.	South Carolina
Gutowski, Joseph Matthew	New Jersey	Sherman, Louis	New York
Hagerman, Paul	West Virginia	Smith, Charles Franklin	Pennsylvania
Harp, J. Elmer	Maryland	Smith, Theresa Ora	West Virginia
Hirsch, Philip	New York	Snaith, Theresa Ora	North Carolina
Hundley, Jr., John T. T., A. B.	Virginia	Sowers, Roy Gerald, B.S., M.A.	Connecticut
Hunt, William Bryce, B.A.	North Carolina		
Jannette, William Carl, A.B.	North Carolina	Steincrohn, Peter Joseph	Maryland
	North Carolina	Sussman, Abram Allen, D.D.S.	Delaware
Keith, Marion Yates	North Carolina	Touthey, Thomas Joseph	West Virginia
Knipp, George A.	Maryland	Walker, William Wallace, B.S.	New York
Krant, Arthur Milton	New Jersey		
Kyper, Frederick T.	Pennsylvania	Wasserstrom, Sidney	New Jersey
Lally, Leo Aloysius	Pennsylvania	Weinert, Henry V.	New Jersey
Long, Ira C., A. B.	North Carolina	Welton, William Archibald, B.S.	West Virginia
Love, Jr., William Samuel, B.A.	Maryland		Ohio
	Maryland	Werner, Walter I.	North Carolina
McCullough, Cariton S. L., B.S.	Pennsylvania	White, Francis Willard Moody, B.A.	North Carolina
	Pennsylvania	White, James Franklin, B.S.	West Virginia
McLean, Herbert E., B.A.	New Jersey		

SECOND YEAR CLASS.

Name	State	Name	State
Allen, Moore Lowry	Utah	Friedman, Irving	New Jersey
Anderson, Albert Louis	Maryland	Gattens, Wilber Elton, B.S.	Maryland
Antonius, Nicholas A.	New Jersey	**Gottlieb, Bernard Norman	New York
Barnes, D. Keith	Utah	Granoff, Joseph F.	New Jersey
Bartlett, Jr., Charles Wm.	Florida	Greifinger, Marcus Harry	New Jersey
*Bershatky, William	New York	Grossblatt, Philip	North Carolina
Boyd, Kenneth Beay	Maryland	Howell, Clewell, B. S.	Maryland
Briglia, Nicholas Natale	Pennsylvania	Jacobson, Philip	North Carolina
Carter, Carl John	West Virginia	Knox, Joseph Clyde	Maryland
Edelman, Edward Isidor	New York	Koons, Earle Weant, B. S.	Maryland
Fisher, Harry Richard	New York	Kratz, Fred William	Pennsylvania
Flax, Ira Isador	New Jersey	Leibensperger, George F.	New Jersey
Frehling, Joseph Morris	Kentucky	Levine, Samuel	Maryland
Friedman, Bernard	New York	Marsh, James T., A. B.	Maryland

*Note—Not in attendance.

SECOND YEAR CLASS—Continued.

Name	State	Name	State
Marton, Samuel	New York	Nocera, Domingo	Porto Rico
Maseritz, Isidore	Maryland	Norment, John E., A. B.	Maryland
Maurillo, Dominick Francis, A.B.,	New York	Pachtman, Isadore	Pennsylvania
Megahan, Burke	Pennsylvania	Perry, Arch. H.	North Carolina
Messinger, Benjamin	New York	Pitkowsky, Louis K.	New York
Miller, Benjamin	Maryland	**Sarubin, Benjamin	Maryland
Miller, Jacob M.	Maryland	Scagnetti, Albert	New York
Miller, Joseph G.	Maryland	Scheindlinger, Morris I.	New York
Monroe, Clement E.	North Carolina	Schlenger, Leo Brenner	New Jersey
Moriarty, Louis	Connecticut	Schultz, Louis Ariel	New York
Morris, Philip	New York	Scimeca, Antonio Adolfo	New York
Morrison, Jr., William Henry,	Pennsylvania	Seliger, Robert V.	New York
McLane, William Oliver, Jr., B.S.,	Maryland	Shapiro, Ralph N.	New York
McClosky, William Thomas,	District of Columbia	Tabershaw, Arnold Leon	New York
Nash, Alexander E.	New Jersey	Theuerkauf, Frank Joseph	Pennsylvania
Nelson, James Wharton, A. B.	Maryland	Urbanski, Adrian Xavier	New Jersey
Neustaedter, Theodore M.	New York	Weiner, Hymen L.	Pennsylvania
		Weinstock, Alex. A.	New York
		Whaley, Thomas Bravard	Maryland
		Woodyard, Edwin Sayre	West Virginia
		Zaslow, John	New York

FIRST YEAR CLASS.

Balcerzak, Stanley Paul	Pennsylvania	Dreskin, Jacob L.	New Jersey
*Brender, Max	New York	Dwyer, D. R., A.B.	Connecticut
Bentz, Felix	Connecticut	Elgin, Lee William	Maryland
Brown, Leo T.	District of Columbia	Ellis, Francis A., A.B.	Maryland
*Burke, E. N.	Kentucky	Epstein, Harry Herman	New York
Cadle, William Rodman	Maryland	*Ehrenreich, Isaac, B.S.	Maryland
Cantor, Nathan	Connecticut	Everett, Franklin A.	Pennsylvania
*Callahan, J. J.	West Virginia	Fancher, Jr., H. Wilson	Connecticut
Carder, Joe R.	New Jersey	Farber, Raphael	Pennsylvania
Cardinale, P. F.	Rhode Island	**Ferrara, James	New York
*Casey, Calvert E.	Delaware	Fields, Abijah Clements	Alabama
Cassidy, John J., B.S.	New York	Fine, Morris Aaron	Maryland
Clahr, Abraham Albert	Maryland	Fine, Reuben Ashford	Maryland
Coonan, Jr., Thos. J., A.B.	Dist. of Columbia	Finnell, Harold	New Jersey
Coe, John M.	West Virginia	Fischman, Frank	New York
*Cofindaffer, R. S.	Pennsylvania	Fishof, Frank	New York
Cope, Arthur Alexander, A.B.,	Maryland	Fuchs, Abner	Pennsylvania
Davis, Norvel R.	Maryland	Gale, Louis Harry	West Virginia
**Davidov, Benjamin	Maryland	Gaston, William Bryan	Maryland
**Davidson, Meyer	Maryland	**Geraghty, Francis J., B.A.	New York
Demely, Louis Alvin	Maryland	*Glickel, Henry	Rhode Island
De Vincentis, Henry	New Jersey	Grandfield, Robert Francis	New York
**Difenderfer, Robert Tinley,	Pennsylvania	*Greenwald, M.	West Virginia
Donohoe, Edward C., A.B.	Pennsylvania	Grimm, Jr., Wilson O.	New York
*Donovan, Charles Michael	Connecticut	Gross, Sigmund	Virginia
Draper, Leonidas McFerron, B.A.,	North Carolina	**Hale, Elwin Faulconer	New Jersey
		Herbert, Alpha Nathan	New York
		Hertz, Ben	New York
		Hibbitts, John Thomas	Maryland
		Hulla, Jaroslav	Maryland

*Note—Not in attendance.

**Note—Not in attendance entire session.

FIRST YEAR CLASS—Continued.

Name	State	Name	State
Jacobs, Morris Albert	Maryland	Poplack, Samuel Lewis	Connecticut
Keating, John Patrick	Connecticut	Pulaski, Leo Edward	Pennsylvania
**Kelly, Allen Wilbur	Maryland	**Pullen, Lawrence Homer	Maryland
Kiesel, Henry	New York	Radest, Louis	New York
Knotts, W. K.	Maryland	Rathsprecher, Isadore	New Jersey
Lalley, Paul Francis	Pennsylvania	**Resh, George Daniel, A.B.	Maryland
Laus, Edward Raymond	New York	**Rezek, George Jaroslav	Maryland
Linde, S. Arthur	Maryland	*Rosenberg, H. S.	New York
London, Daniel	New York	Rosenstein, Jacob	New Jersey
Lopatin, Samuel	Connecticut	Rocco, Frank	New York
Lowe, Claude Milton	Pennsylvania	Sarnoff, Jack	Pennsylvania
Marciniak, Edward Stanley	New Jersey	Schachter, Eugene Joel	New Jersey
Marchant, Harry McCreary, B.S.,	Florida	*Schilling, A. B.	New York
Metzky, Joseph	New Jersey	Seiken, George	New Jersey
Miller, Edgar Raymond, A.B.,	Pennsylvania	Silverstein, Jacob Maurice	Pennsylvania
Minnefor, Chas. A.	New Jersey	Simon, Joseph R.	Pennsylvania
*Mitchell, Charles Archie, A.B.	Maine	**Smith, Jr., James Bathurst, B.S.,	Virginia
Molina, Rafael Rodriguez	Porto Rico	**Skilling, Francis C.	Maryland
Morales, Jaime Vila	Porto Rico	Sinton, William Allen	Virginia
Mullensky, Joseph John	Pennsylvania	Straka, Robert Paul	Pennsylvania
Nataro, Joseph	New Jersey	Sulman, William E.	Pennsylvania
Nimaroff, Meyer	New Jersey	*Sweeney, J. J.	Maryland
Nock, Randolph Maxwell	Maryland	Tomainoli, M. F.	New Jersey
**Norment, Clinton Crawford	Maryland	Turner, Thomas Bourne, B.S.	Maryland
Orton, Lyman R.	Massachusetts	Visconti, Joseph A.	New Jersey
Oshrin, Henry	New Jersey	Wallace, Erwin Basse	Maryland
Pearrell, Ernest H.	Maryland	Wasserweig, Martin Max	Pennsylvania
Pierce, James Lewis	Florida	Webb, Elmore Miller	Maryland
Pinsky, Myer Mordecai	New Jersey	Wiener, Joseph	New York
Plassanis, Edwin, B.S.	Maryland	Weintraub, Harry	Maryland
Polizzotti, Joseph L.	New Jersey	**Wietzen, Samuel	New York
		Zimmerman, Charles C.	Maryland

*Note—Not in attendance.

**Note—Not in attendance entire session.

GENERAL SUMMARY OF STUDENTS ATTENDING THE UNIVERSITY OF MARYLAND, SESSION OF 1921-22.

College of Home Economics.....	17
College of Agriculture.....	190
College of Engineering.....	164
College of Arts and Sciences.....	198
College of Education.....	72
The Graduate School.....	23
The Summer School, 1921.....	380
School of Medicine.....	299
School of Law.....	490
School of Dentistry.....	204
School of Pharmacy.....	93
School of Commerce.....	240
School of Nurses.....	69
Extension Courses.....	75
Total.....	2514

GRADUATES, UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE AND COLLEGE OF PHYSICIANS AND SURGEONS,

JUNE 1, 1922.

Name	State	Name	State
Bailey, Harry, B.A.....	Connecticut	Kerdasha, Geo.....	New Jersey
Buchness, Anthony V., A.B.....	Maryland	Krager, John J., B.A.....	Maryland
Champe, Jr., Ira Preston.....	West Virginia	Kunkowski, Andrew.....	Maryland
Doshey, Louis Jacob, B.A.....	New York	Lang, Milton Charles.....	Maryland
Fleischmann, Berthold, B.S.....	New York	Lawson, Lawrence Wells, B.A.,	West Virginia
Freidus, Elias.....	New York	Linke, Julian P.....	New Jersey
Fritz, Julius Dudley.....	New York	McCoy, C. Glen, A.B.....	West Virginia
Fulton, William James.....	Maryland	Mercier, Albin Scott, A.B.....	Maryland
Ginsberg, William, B.A.....	New York	Middlemiss, Wm. Robert, B.S.....	Utah
Goldmann, Bernhard Alexander,	Pennsylvania	Monninger, Arthur C.....	Pennsylvania
Gollick, William A., B.S.....	New Jersey	Morgan, Edward Nicholas.....	New York
Gordon, Herbert.....	New Jersey	O'Connor, John Andrew, A.B.	Maryland
Greenbaum, Leonard Harry.....	New York	Noll, Louis, B.S.....	Connecticut
Groff, Morris.....	Maryland	Payne, John Edward, B.S.	West Virginia
Hatfield, Daniel S.....	New York	Peters, H. Raymond, B.A.....	Maryland
Halley, George Conrad.....	West Virginia	Pittman, Henry Lee.....	North Carolina
Harman, Robert Dove, B.S.,	Idaho	Pullen, Guy Foote.....	Connecticut
Heitsch, Herbert M.....	West Virginia	Rhodes, Bricey Milton.....	Florida
Hollister, William, B.S.....	Michigan	Rudisill, John David, A.B.,	North Carolina
Horowitz, Herman Jack, B.S.,	North Carolina	Salzberg, Abraham.....	New York
Huff, William, B.A.....	New York	Saporito, Archibald R.....	New Jersey
Ingram, David N.....	Virginia		
Keefe, George G., A.B.....	Maryland		
	Connecticut		

GRADUATES—Continued.

Name	State	Name	State
Sekerak, Arthur Joseph Francis,	Connecticut	Stovin, Joseph Samuel, Ph.B.	Connecticut
Shannon, George Edmon.....	Maryland	Stout, Philip David, B.A.....	Tennessee
Shapin, Sydney.....	New York	Sweet, Samuel Waterman, B.S.,	New York
Shapiro, Louis Mendelsohn, B.A.,	Connecticut	Trynin, Aaron H., B.A.....	New York
		Warfield, Jr., John Ogle, A.B.,	Pennsylvania
Sternberg, Harry Melmuth.....	New York	Wilson, Thomas Norwood, A.B.	Maryland

PRIZEMEN.

University Prize—Gold Medal.....	J. OGLE WARFIELD, JR.
Certificate of Honor.....	C. GLEN MCCOY.
Certificate of Honor.....	H. RAYMOND PETERS.
Certificate of Honor.....	A. V. BUCHNESS.
Certificate of Honor.....	ELIAS FREIDUS.
Certificate of Honor.....	T. NORWOOD WILSON.

In the third year the Jose L. Hirsch Memorial Prize of \$50.00 was awarded to Henry V. Weinert for the best work in Pathology during the second and third years.

THE UNIVERSITY OF MARYLAND
SCHOOL OF MEDICINE
AND
COLLEGE OF PHYSICIANS AND
SURGEONS.

As a result of the merger accomplished in 1915 the combined schools offer the student the abundant resources of both institutions, and, in addition, by earlier combination with the Baltimore Medical College, the entire equipment of three large medical colleges.

The School of Medicine of the University of Maryland is one of the oldest foundations for medical education in America, ranking fifth in point of age among the medical colleges of the United States. It was chartered in 1807, under the name of the College of Medicine of Maryland, and its first class was graduated in 1810. In 1812 the College was empowered by the Legislature to annex three other colleges or faculties, of Divinity, of Law, and of Arts and Sciences, and the four colleges thus united were "constituted an University by the name and under the title of the University of Maryland."

Established thus for more than a century, the School of Medicine of the University of Maryland has always been a leading medical college, especially prominent in the South and widely known and highly honored throughout the country.

The beautiful college building at Lombard and Greene Streets, erected in 1814-1815, is the oldest structure in America devoted to medical teaching. Here was founded one of the first medical libraries and the first medical college library in the United States.

Here for the first time in America dissecting was made a compulsory part of the curriculum; here instruction in Dentistry was first given (1837), and here were first installed independent chairs for the teaching of Diseases of Women and Children (1867) and of Eye and Ear Diseases (1873).

The School of Medicine was one of the first to provide for adequate clinical instruction by the erection in 1823 of its own hospital, and in this hospital intramural residency for the senior student was first established.

In 1913 juncture was brought about with the Baltimore Medical College, an institution of 32 years' growth. By this association the facilities of the School of Medicine were enlarged in faculty, equipment and hospital connection.

The College of Physicians and Surgeons was incorporated under the Legislative enactment in 1872, and established on Hanover Street in a building afterwards known as the Maternité, the first obstetrical hospital in Maryland. In 1878 union was effected with the Washington University School of Medicine, in existence since 1827, and the College was removed to its present location at Calvert and Saratoga Streets. By this arrangement, medical control of the City Hospital, now the Mercy Hospital, was obtained, and on this foundation in 1899 the present admirable college building was erected.

CLINICAL FACILITIES.

HOSPITALS AND DISPENSARIES.

UNIVERSITY HOSPITAL.

The University Hospital, which is the property of the University of Maryland, is the oldest institution for the care of the sick in the State of Maryland. It was opened in September, 1823, under the name of the Baltimore Infirmary, and at that time consisted of but four wards, one of which was reserved for eye cases. By successive additions this hospital was increased to more than fourfold its original accommodations, there being added to it a large clinical amphitheatre, a students' building for the accommodation of the pupils of the Training School for Nurses. The yearly increase in the number of patients seeking admission to the hospital, however, more than kept pace with the increase in accommodations, and the Faculty therefore erected an entirely new and modern hospital building for the accommodation of the former building.

The University Hospital is constructed of brick and Tennessee limestone in the Colonial style of architecture, fronting 175 feet upon Lombard Street, and about the same on Greene Street. It is supplied with the most modern and approved system of heat-

ing, ventilation, etc., and equipped with all modern requirements and conveniences for the care of the sick, and for the clinical instruction of the students of the University.

It is one of the largest and finest hospitals owned and controlled by any medical school in America, and in point of architectural beauty, convenience and completeness of arrangements and equipment compares favorably with other hospitals.

An important adjunct to the hospital is the postmortem building, which is constructed with special reference to the instruction of students in pathological anatomy.

The hospital is situated opposite the University building, so that the student loses no time in passing from the lecture halls to the clinical amphitheatre, dispensary and wards.

A portion of the hospital is used as a marine hospital for foreign seamen. The great importance of Baltimore as a shipping point brings into her harbor many vessels from all parts of the world, and the sick sailors who are cared for in the wards of the institution give the students an opportunity to observe a large variety of diseases. Another considerable portion of the building is used as a Municipal Hospital, and contains charity beds supported by the City of Baltimore. This department of the hospital is taxed to its utmost capacity to afford accommodations for the patients seeking admission.

Owing to its location, being the nearest hospital to the largest manufacturing district of the city, the University Hospital receives for treatment a very large number of accident cases of all kinds, both slight and serious. These cases, as well as patients suffering from the various diseases of our own climate, occupy the beds, and add greatly to the facilities of clinical teaching enjoyed by the school. The facilities for clinical instruction have been greatly enlarged by an appropriation by the State of Maryland for the support of free beds for patients from the various counties.

MERCY HOSPITAL.

The Sisters of Mercy first assumed charge of the Hospital at the corner of Calvert and Saratoga streets, then owned by the Washington University, in 1875. By the merger of 1878 the Hospital came under the control of the College of Physicians and Surgeons, but the Sisters continued their work of administering to the patients.

In a very few years it became apparent that the City Hospital, as it was then called, was much too small to accommodate the

rapidly growing demands upon it. However, it was not until 1888 that the Sisters of Mercy, with the assistance of the Faculty of the College of Physicians and Surgeons, were able to lay the cornerstone of the present Hospital. This building was completed and occupied late in 1889. Since then the growing demands for more space has compelled the erection of additions, until now there are accommodations for 351 patients.

In 1909 the name was changed from The Baltimore City Hospital to Mercy Hospital.

Mercy Hospital is located in the center of a city of 750,000 inhabitants, and is under the exclusive medical control of the College of Physicians and Surgeons. It adjoins the College building, and all surgical patients from the public wards are operated upon in the College operating rooms. This union of the Hospital and College buildings greatly facilitate the clinical teaching, as there is no time lost in passing from one to the other.

Mercy Hospital is the hospital of the United Railways and Electric Company of Baltimore City, and receives patients from the Baltimore & Ohio Railroad Company and from the Pennsylvania Railroad Company and its branches.

FRANKLIN SQUARE HOSPITAL.

The Franklin Square Hospital has a capacity of 112 beds. During the year ending December 31, 1920, 1,860 cases were treated in the hospital, and 1,896 patients were treated in the dispensary. Eleven hundred and forty-eight surgical operations were performed in the hospital.

LYING-IN HOSPITALS.

MATERNITY HOSPITAL OF THE UNIVERSITY OF MARYLAND.

This institution is also the property of the University, and under its exclusive control and direction, and is conducted with the special purpose of furnishing actual obstetrical experience to each member of the graduating class.

New accommodations have been provided in the general hospital, and the Maternity Department now offers better facilities than ever before, while the large increase in clinical material has made it possible to offer excellent opportunities for post-graduate work.

THE WEST END MATERNITY.

The West End Maternity adjoins the Franklin Square Hospital and furnishes an abundance of clinical material, which is under the control of the Faculty of Physic.

OUT-PATIENT CLINIC AND DISPENSARY.

In connection with the University Hospital an out-door obstetrical clinic is conducted, in which every case has careful prenatal supervision, is attended during labor by a graduate physician and graduate nurse—one senior student also being present—and is visited during the puerperium by the attending student and graduate nurse. Careful prenatal, labor and puerperal records are kept, making this work of extreme value to the medical student, not only from the obstetrical standpoint, but in making him appreciate the value of social service and public health work.

NUMBER OF PATIENTS.

During the year ending December 31, 1921, the number of patients treated in the Lying-In hospitals connected with the School was as follows:

Number of Confinements in Hospitals.....	371
Number of Confinements Out-Patient Department.....	801
Average number of cases seen by each student of the graduating class	15

THE MUNICIPAL HOSPITALS—BAY VIEW.

The clinical advantages of the University have been largely increased by the liberal decision of the Board of Supervisors of City Charities to allow the immense material of these hospitals to be used for the purpose of medical education. There are daily visits and clinics in medicine and surgery by the Staff of the hospitals. The autopsy material is unsurpassed in this country in amount, thoroughness in study, and the use made of it in medical teaching.

The Municipal Hospitals consist of the following separate hospitals:

- The General Hospital, 160 beds.
- The Hospital for Chronic Cases, 88 beds.
- The Municipal Hospital for Tuberculosis, 190 beds.
- City Detention Hospital for Insane, 450 beds.

THE JAMES LAWRENCE KERNAN HOSPITAL AND INDUSTRIAL SCHOOL OF MARYLAND FOR CRIPPLED CHILDREN.

This institution contains seventy-five beds for the active treatment of deformities. It is situated at "Radnor Park," a colonial estate of seventy-five acres at Hillsdale, within the western city limits, reached by trolley.

This institution has city, state, endowed and private beds and every modern facility for the treatment of orthopedic cases as well as a most beautiful park-like environment and farm, and is closely affiliated with the University of Maryland, for bed-side instruction.

ST. VINCENT'S INFANT ASYLUM.

The facilities of this institution, containing 250 infants and children, have been kindly extended to the University of Maryland by the Sisters of Charity. This large clinic enables this school to present to its students liberal opportunities for the study of diseases of infants and children.

INSTITUTIONS FOR THE TREATMENT OF THE INSANE AND FEEBLE-MINDED.

THE SHEPPARD AND ENOCH PRATT HOSPITAL FOR THE INSANE. This institution is one of the most modern hospitals for the treatment and care of the insane in this country. It is well endowed and its superintendent is R. M. Chapman, M. D., Professor of Psychiatry at the University of Maryland. In this hospital intensive treatment and study of mental diseases is carried on, a large number of the patients entering voluntarily. The students under the direction of Dr. Chapman and his assistants in a series of clinics are shown the early manifestations and the various stages of mental diseases, the methods of treatment, and their effects.

MOUNT HOPE RETREAT FOR THE INSANE. This hospital contains an average of 750 patients and is attended by Dr. Chas. G. Hill, Professor of Psychiatry of this faculty. Under the direction of Dr. Hill and his assistants the students are given opportunity for the study of large groups of patients showing all phases of various mental and nervous disorders.

DISPENSARIES.

The dispensaries associated with the University Hospital and the Mercy Hospital are organized upon a uniform plan in order that the teaching may be the same in each. Each dispensary has the following departments: Medicine, Surgery, Children, Eye and Ear, Genito-Urinary, Gynecology, Gastro-Enterology, Neurology, Orthopedics, Proctology, Dermatology, Throat and Nose, Tuberculosis and Psychiatry.

All students in their junior year work in the departments of Medicine and Surgery each day in one of the dispensaries.

All students in their senior year work in the special departments one hour each day.

Some idea of the value of these dispensaries for clinical teaching is shown by the number of patients treated. For the year 1921 about eighty-four thousand visits were made to the dispensaries.

In addition to these the Dental Department, situated upon the grounds of the University, conducts a daily clinic which is open to medical students.

University Hospital Dispensary Report, January 1 to December 31, 1921.
J. A. Skladowsky, M.D., Dispensary Physician.

Department.	New Cases.	Old Cases.	Total.
Dermatological	2,437	5,533	7,970
Children	1,912	10,142	12,054
Obstetrical	1,406	3,617	5,023
Surgical	1,292	3,425	4,717
Eye and Ear	1,090	2,273	3,363
Gynecological	1,842	3,990	5,832
Medical	1,066	2,264	3,330
Genito-Urinary	544	3,126	3,670
Neurological	169	1,574	1,743
Orthopedics	139	1,594	1,733
Gastro-Enterological	185	883	1,068
Nose and Throat	721	845	1,566
Tuberculosis	169	158	327
Proctological	85	127	212
Psychiatry	14	15	29
	<hr/>	<hr/>	<hr/>
	13,071	39,566	52,637

Mercy Hospital Dispensary Report, January 1 to December 31, 1921.
Sister M. Helen, R.N., Directress.

Dispensary Clinics.	New Cases.	Old Cases.	Total.
Surgical	933	2,530	3,463
Medical	918	816	1,734
Gynecological	339	753	1,092
Eye and Ear	420	680	1,100
Nose and Throat	516	783	1,299
Neurological	179	543	722
Pediatric	85	61	146
Gastro-Intestinal	207	897	1,104
Dental	60	18	78
Proctological	42	24	66
Orthopedic	88	298	386
Dermatological	271	572	843
Genito-Urinary Surgery	1,681	17,910	19,591
	<hr/>	<hr/>	<hr/>
	5,739	25,885	31,624

LABORATORIES.

ANATOMICAL LABORATORIES.

These laboratories are in charge of the Professor of Anatomy and his assistants. The University has recently built its own storage and embalming plant, which supplies an abundance of anatomical material. Anatomical material is furnished in abundance, free of charge.

LABORATORY OF EXPERIMENTAL PHYSIOLOGY.

This laboratory occupies the first floor of Gray Laboratory; it includes a large student laboratory, with capacity of forty students, a room completely equipped for mammalian experimentation, a stock-room, and an office for the professor in charge. Within the same building there is an animal room in which there is kept a constant supply of material for experimentation and demonstration. The laboratory is equipped with ample apparatus: there is a complete set of student apparatus available for each group of two students, while the special apparatus for laboratory experimentation and class-room demonstration is adequate for the needs of the courses.

LABORATORY OF BIOLOGICAL CHEMISTRY.

(See page 55.)

LABORATORY OF HISTOLOGY AND EMBRYOLOGY.

This laboratory is fully equipped for teaching Histology and Embryology.

There is a large collection of charts, specimens and apparatus used in teaching. The necessary equipment for the practice of technique is provided.

LABORATORIES OF PATHOLOGY AND BACTERIOLOGY.

The subject of special bacteriology is taught during a portion of the second year in a well equipped laboratory containing sterilizers, water baths, and other necessary equipment for this purpose.

The subject of histopathology is also taught during the second year in a properly equipped laboratory. The details concerning this work are described under the subject of Department of Pathology and Bacteriology.

The instruction in gross pathology is obtained during the third year by attendance upon the autopsies at the University Hospital and the Mercy Hospital, and special instruction in this subject is also given by demonstrations with a large amount of pathological material at the City Hospitals situated at Bay View. The subject of gross pathology is also taught in the third year by means of lectures and demonstrations to sections of the third year class and a special effort is made to apply this subject to the explanation of the symptoms and clinical signs of disease. The instruction in autopsy technique is also given personally to small groups of students.

LABORATORIES OF CLINICAL PATHOLOGY.

These laboratories are fully equipped for the study of practical laboratory work in its relationship to clinical medicine. Each student is supplied with a locker, containing sufficient apparatus for any ordinary examination.

The wards and out-patient departments of the hospitals furnish an abundance of material for study.

By reason of individual equipment, much work outside of class hours is expected of the student.

The class rooms are adequately lighted, and are conveniently situated for teaching purposes.

LIBRARIES.

The University Library, founded in 1813 by the purchase of the collection of Dr. John Crawford, now contains 14,610 volumes, a file of 58 current journals, and several thousand pamphlets and reprints. During the year ending December 31, 1921, 351 volumes were added. It is well stocked with recent literature, including books and periodicals of general interest. The home of the Library is Davidge Hall, a comfortable and commodious building in close proximity to the class rooms and the laboratories of the Medical Department. The Library is open daily during the year, except in August, for use of members of the Faculty, the students, and the profession generally.

The Library of the Medical and Chirurgical Faculty of Maryland, containing many thousands of volumes, is open to the students of the school. The leading medical publications of the world are received by the library and complete sets of many journals are available. Other libraries of Baltimore are the Peabody (181,000 volumes) and the Enoch Pratt Free Library (355,817 volumes).

All these libraries are open to the students of the school without charge.

The proximity of Washington places the immense libraries of the national capital at the disposal of the students of the school.

ANNUAL APPOINTMENTS.

On February first of each session the following annual appointments are made from among the graduates of the school:

TO THE UNIVERSITY HOSPITAL

- Medical Superintendent.
- Five Senior Residents, viz:
 - Two Resident Surgeons.
 - One Resident Physician.
 - One Resident Gynecologist and Obstetrician.
 - One Resident Pathologist.
- Thirteen Junior Residents on a rotating service.

A number of students are appointed each year, at the close of the session, as Clinical Assistants in the University Hospital for the summer months.

REQUIREMENTS FOR MATRICULATION

TO THE MERCY HOSPITAL.

Chief Resident Physician.
Six Resident Surgeons.
Four Resident Physicians.
One Resident Gynecologist.
One Resident Obstetrician.

TO THE MARYLAND GENERAL HOSPITAL.

Medical Superintendent;
Four Senior Residents, viz:
One Resident Surgeon.
One Resident Physician.
One Resident Gynecologist.
One Resident Obstetrician.
Eight Junior Residents on a rotating service.

Each resident serves a term in every department, including the pathological laboratory and the Maryland Lying-in-Hospital. Many appointments to other hospitals of Baltimore are made annually, to which graduates of this school are eligible.

REQUIREMENTS FOR MATRICULATION.

Admission to the course in medicine is by a completed Medical Student Certificate issued by the Registrar of the University of Maryland. This certificate is obtained from the Registrar on the basis of satisfactory credentials, or by examination and credentials, and is essential for admission to any class.

The requirements for the issuance of the Medical Student Certificate are:

- (a) The completion of a standard four-year high school course or the equivalent, and in addition,
- (b) Two years or sixty semester hours of college credits, including chemistry, biology, physics, and English.

Women are admitted to the Medical Department of this University.

(A) DETAILS OF THE HIGH SCHOOL REQUIREMENT.

1. Graduation from an accredited high school after pursuing a four-year course based upon an eight-year elementary course or its full equivalent; or
2. Successfully passing entrance examinations in the following subjects:

REQUIREMENTS FOR MATRICULATION

(a) Required Eleven (11) Units.

Units.

English, 4 years.....	3
Elementary and Intermediate Algebra.....	1
Plane Geometry (first five books).....	2
Two years of a foreign language.....	2
Two of the three sciences—Biology, Chemistry, Physics.....	1
American History and Civics.....	1
Ancient History or English History.....	1

(b) Electives. Four (4) Units.

(1) History and Political Science:	1
Ancient History or English History.....	1 or 1/2
Mediaeval and Modern History.....	1 or 1/2
General History.....	1/2
Civics.....	1/2
Economics.....	1/2
(2) Language:	2
French 2 years.....	2
German 2 years.....	2
Greek 2 years.....	2
Hebrew 2 years.....	2
Italian 2 years.....	1 or 2
Latin 1 or 2 years.....	2
Spanish 2 years.....	2
(3) Mathematics:	1/2
Advanced Arithmetic.....	1
Advanced Algebra.....	1/2
Plane Trigonometry.....	1/2
Solid Geometry.....	1/2
(4) Science:	1
Physics, Biology or Chemistry.....	1
Physical Geography and Geology.....	1/2
Astronomy.....	1/2
Physiology and Hygiene.....	1/2
(5) Vocational and cultural subjects:	1
Agriculture.....	1
Bookkeeping.....	1/2
Commercial Geography.....	1
Domestic Science.....	1/2 each
Drawing } Mechanical 1 and 2.....	1/2 each
} Freehand 1 and 2.....	1
Manual Training.....	1
Music.....	1 or 2
Stenography.....	2

One unit in any subject is the equivalent of work in that subject for five periods per week for a year of at least thirty-six weeks, periods to be not less than forty-five minutes in length. One unit is equivalent to 2 semester credits or 2 points.

(B) DETAILS OF THE COLLEGE REQUIREMENT.

a. The preliminary college course shall extend through two college sessions of at least thirty-two weeks each of actual instruction, including final examinations.

b. In excellence of teaching and in content, the work of this preliminary college course shall be equal to the work done in the freshman and sophomore years in standard colleges and universities.

c. This preliminary college course shall include courses in physics, chemistry, biology, and English, each course to embrace at least six, eight or twelve hours of work in each subject, as shown in the schedule following.

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PRE-MEDICAL COLLEGE COURSE.

	<i>Sixty Semester Hours Required.</i>	<i>Semester Hours.</i>
REQUIRED COURSES:		
Chemistry (a)		12
Physics (b)		8
Biology (c)		8
English Composition and Literature (d)		6

COURSES STRONGLY URGED:

- A modern foreign language.
- Comparative vertebrate anatomy
- Psychology
- Social science

A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be of not less than fifty minutes' duration net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

(a) CHEMISTRY. Twelve semester hours required, of which at least eight semester hours must be in general inorganic chemistry, including four semester hours of laboratory work. In the interpretation of this rule, work in qualitative analysis may be counted as general inorganic chemistry. The remaining four semester hours required shall consist of work in organic chemistry.

(b) PHYSICS. Eight semester hours required, of which at least two must be laboratory work. This course presupposes a knowledge of plane trigonometry.

(c) BIOLOGY. Eight semester hours required, of which four must be laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology, or by courses of four semester hours each in zoology and botany, but not by botany alone. The requirement may be satisfied also by 6 semester hours of college biology, including three semester hours in laboratory work, if preceded by a year (one unit) of high school biology.

(d) ENGLISH COMPOSITION AND LITERATURE. The usual introductory college course of six semester hours, or its equivalent, is required.

POST-GRADUATE STUDENTS.

Graduates in medicine desiring to take the work of the senior year without being candidates for the degree and, therefore, without examination, may receive a certificate of attendance on completing the full course satisfactorily.

The requirements for graduates in medicine admitted to the fourth year class as candidates for the degree of Doctor of Medicine are the same as those enforced against undergraduates admitted to advanced standing.

COMBINED COURSE IN ARTS AND MEDICINE.

Students who have completed the junior year in our School of Liberal Arts and who have made an approved choice of electives may, if they desire, do the entire work of the senior year in the medical school of the University. If they successfully complete the work of the first medical year they are graduated with their class with the degree of Bachelor of Arts.

By taking advantage of this privilege a man may complete the Undergraduate and Medical courses in seven years.

During three of these years or until he has completed the work of the junior class he is a resident student in the School of Liberal Arts at College Park, Maryland, and for four years he is a student in the Medical School in Baltimore.

At the end of the fourth year he receives the A.B. degree, and at the end of the seventh year the M.D. degree, but credit from

the Medical School cannot be accepted in subjects for which credit has already been given in the School of Liberal Arts.

The same privilege is allowed students of St. John's College, Annapolis, Maryland.

Special premedical courses have been arranged in our School of Liberal Arts at College Park and also by St. John's College at Annapolis.

RULES.

1. All students are required to take the spring examinations unless excused by the Dean. No student will be permitted to advance from a lower to a higher class with conditions.

2. Should a student be required to repeat any year in the course he must pay regular fees.

3. A student failing in final examinations for graduation at the end of the fourth year will be required to repeat the entire course of the fourth year and to take examinations in such other branches as may be required, should he be again permitted to enter the school as a candidate for graduation.

4. The general fitness of a candidate for graduation will be taken into consideration by the Faculty as well as the results of his examinations.

All the above rules, as well as the fees stated below, relate to the year ending June 9, 1923, only. The right is reserved to make changes in the curriculum, requirements for graduation, fees and any of the regulations whenever the faculty deem it expedient.

FEES.

Matriculation fee (paid each year)	\$5.00
Tuition fee (each year) for residents of Maryland	250.00
Tuition fee (each year) for non-residents	300.00
Breakage fee (each year)	10.00
Special and re-examination fee	5.00

No fees are returnable, except unused portion of breakage fee.

Tuition fees are due and payable during October.

The above fees apply to all students who matriculate in this institution in any class for the session beginning October 2, 1922.

SPECIAL COURSES.

Anatomy	\$75.00
Physiology	75.00
Pathology	75.00
Embryology	75.00
Bacteriology	75.00
Biological Chemistry	75.00
Pharmacology	100.00
Clinical Laboratory (four months)	150.00
X-Ray (four months)	150.00
Orthopedic Surgery (four months)	150.00
Genito-Urinary Diseases (four months)	100.00-150.00
Gynecology and Gynecological Pathology	\$25.00
Obstetrics, Out-door	6 weeks 50.00
	4 months 50.00
Out-Door and In-Door	6 weeks 100.00
	4 months
Surgery { Clinical Surgery	By arrangement
	Operative Surgery
	Surgical Pathology
Medicine	By arrangement
Laboratory Technician Course, including Bacteriology and Clinical Pathology	\$150.00

If the courses are taken during holidays or if special supervision is desired or additional material required, the charge is made accordingly.

FACULTY PRIZE.

To stimulate study among the candidates for graduation, the Faculty offers a Gold Medal to the candidate who passes the best general examination. Certificates of Honor are awarded to the five candidates standing next highest.

JOSE L. HIRSCH MEMORIAL PRIZE.

A prize of \$50.00 is given each year by Mrs. Jose L. Hirsch as a memorial to the late Dr. Jose L. Hirsch, formerly Professor of Pathology in this school, to the student in the third year who has done the most satisfactory work in Pathology during his second and third years.

SCHOLARSHIPS.

THE DR. SAMUEL LEON FRANK SCHOLARSHIP.

This scholarship, established by Mrs. Bertha Rayner Frank as a memorial of the late Dr. Samuel Leon Frank, an alumnus of this University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded by the Trustees of the Endowment Fund of the University each year upon nomination of the Medical Council, "to a medical student of the University of Maryland, who, in the judgment of said Faculty, is of good character and in need of pecuniary assistance to continue his medical course."

This scholarship is awarded to a second, third or fourth year student only, who has successfully completed one year's work in the medical course, and no student may hold such scholarship for more than two years.

THE CHARLES M. HITCHCOCK SCHOLARSHIPS.

From a bequest to the School of Medicine by the late Charles M. Hitchcock, M.D., an alumnus of the University, two scholarships have been established which entitle the holders to exemption from payment of tuition fees for the year.

These scholarships are awarded annually by the Medical Council to students who have meritoriously completed the work of at least the first year of the course in medicine, and who present to the Faculty satisfactory evidence of good moral character and of inability to continue the course without pecuniary assistance.

THE RANDOLPH WINSLOW SCHOLARSHIP.

This scholarship, established by Prof. Randolph Winslow, M.D., LL.D., entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Medical Council, to "a needy student of the Senior, Junior, or Sophomore Class of the Medical School."

"He must have maintained an average grade of 85% in all his work up to the time of awarding the scholarship."

"He must be a person of good character and must satisfy the Medical Council that he is worthy of and in need of assistance."

THE LEO KARLINSKY SCHOLARSHIP.

This scholarship, established by Mrs. Ray Mintz Karlinsky as a memorial to her husband, the late Dr. Leo Karlinsky, an alumnus of the University, entitles the holder to exemption from the payment of the tuition fee of that year.

It is awarded annually by the Trustees of the Endowment Fund of the University, upon nomination of the Medical Council, to "a needy student of the Senior, Junior or Sophomore Class of the Medical School."

"He must have maintained an average grade of 85 per cent. in all his work up to the time of awarding the scholarship."

"He must be a person of good character and must satisfy the Medical Council that he is worthy of and in need of assistance."

THE UNIVERSITY SCHOLARSHIPS.

Two Scholarships are awarded by the University. One to a student of the Department of Liberal Arts appointed by the President; the other, which entitles the holder to exemption from payment of the tuition fee of the year, is awarded annually by the Medical Council to a student of the Senior Class who presents to the Medical Council satisfactory evidence that he is of good moral character and is worthy of and in need of assistance to complete the course.

THE ST. JOHN'S SCHOLARSHIP.

This scholarship is awarded annually by the Medical Council upon the nomination of the President of St. John's College. It entitles the holder to exemption from the payment of the tuition fee of that year.

FREDERICA GEHRMANN SCHOLARSHIP.

This scholarship was established by bequest of the late Mrs. Frederica Gehrmann and entitles the holder to exemption from payment of tuition fees. This scholarship is awarded to a second year student who at the end of the year passes the best practical examination in Anatomy, Physiology, Biological Chemistry, Pharmacology, Pathology, Immunology and Serology.

NOTICE TO STUDENTS.

The personal expenses of students are at least as low in Baltimore as in any large city in the United States. The following

estimates of student's personal expenses for the academic year of eight months have been prepared by students, and are based upon actual experience:

Items.	Low.	Average.	Liberal.
Books	\$27	\$48	\$75
College Incidentals	20	20	20
Board, eight months	200	250	275
Room rent	64	80	100
Clothing and laundry	50	80	150
All other expenses	25	50	75
Total	\$386	\$529	\$695

Students will save time and expense upon their arrival in the city by going direct to the School of Medicine on the University grounds, N. E. corner of Lombard and Greene Streets, where the Superintendent of Buildings, who may be found at his office on the premises, will furnish them with a list of comfortable and convenient boarding houses suitable to their means and wishes.

The Dean will, if desired, attend to the collection of checks and drafts for students.

For further information apply to

J. M. H. ROWLAND, M.D., *Dean*,
Lombard and Greene Streets.

ORGANIZATION OF THE CURRICULUM.

The following curriculum is the result of a thorough revision of teaching in this school in order to meet modern requirements. The multiplication of specialties in medicine and surgery necessitates a very crowded course and the introduction of electives will very soon be depended on to solve some of the difficulties.

The curriculum is organized under eleven departments:

1. Anatomy (including Histology and Embryology).
2. Physiology.
3. Biological Chemistry.
4. Pharmacology and Materia Medica.
5. Pathology.
6. Bacteriology.

7. Medicine (including Medical Specialties).
8. Surgery (including Surgical Specialties).
9. Obstetrics.
10. Gynecology.
11. Ophthalmology and Otology.

The instruction is given in four years of graded work. Several courses of study extend through two years or more, but in no case are the students of different years thrown together in the same course of teaching.

The first and second years are devoted largely to the study of the structures and functions of the normal body, and laboratory work occupies most of the student's time during these two years.

Some introductory instruction in Medicine and Surgery is given in the second year. The third and fourth years are almost entirely clinical.

A special feature of instruction in the school is the attempt to bring together teacher and student in close personal relationship. In many courses of instruction the classes are divided into small groups and a large number of teachers insures attention to the needs of each student.

In many courses the final examination as the sole test of proficiency has disappeared and the student's final grade is determined largely by partial examinations, recitations and assigned work carried on throughout the course.

DEPARTMENT OF ANATOMY, INCLUDING HISTOLOGY AND EMBRYOLOGY.

C. L. DAVIS, M.D.	Professor of Anatomy
TILGHMAN B. MARDEN, A.B., M.D.	Professor of Histology and Embryology
M. J. HANNA, M.D.	Associate in Anatomy
HOWARD B. McELWAIN, M.D.	Instructor in Anatomy
A. E. GOLDSTEIN, M.D.	Instructor in Histology

FIRST YEAR. *Didactic.* Five hours each week for thirty-two weeks. Each day, preceding the laboratory period, a quiz and demonstration of from 40 to 50 minutes is held, covering the laboratory work for the day.

Laboratory. Eighteen hours each week for sixteen weeks. Twelve hours each week for sixteen weeks. This course includes a complete dissection of the human body, including the central nervous system. Abundance of good material is furnished and the student is aided in his work by competent demonstrators. Practical examinations are held at frequent intervals throughout

the session and each student will be held to strict account for material furnished him. Each student is furnished a skeleton and a deposit is required to insure its return in good condition at the end of the session.

SECOND YEAR. *Didactic.* Three hours each week for six weeks. Lectures, recitations and conferences.

Laboratory. Seven hours each week for six weeks. This course is devoted exclusively to Neuro-Anatomy. A complete dissection of the human brain is required. This is followed by a study of the fiber tracts of the spinal cord and brain, special models and preparations being used for this part of the course.

HISTOLOGY.

FIRST YEAR. Lectures, recitations and laboratory work, nine hours each week during first semester; three hours each week during second semester. The most important part of the work will be done in the laboratory, where each student will be provided with a microscope, apparatus, staining fluids and material necessary for the preparation of specimens for microscopical examination. An important aid to the course is the projection microscope which is used for the projection upon a screen of magnified images of the specimens actually used in the laboratory.

A large number of completely prepared sections are loaned to the students for study. This materially reduces the time otherwise required by the student for the preparation of sections and insures the best possible class of material for study.

EMBRYOLOGY.

Lectures, recitations and laboratory work; six hours each week during the second semester.

This course includes the study of the development of the chick, and the fundamental principles of mammalian embryology. In the laboratory, the hen's egg will be studied in its various stages of development, and sections of the chick at different periods of incubation will be made and studied microscopically. The latter part of the course will be devoted to the study of sections through different regions of a mammal.

Special emphasis is laid upon the development in the human.

DEPARTMENT OF PHYSIOLOGY.

BARTGIS McGLONE, A.B., Ph.D., F.A.C.P. Professor of Physiology
CHARLES C. CONSER, M.D. Associate Professor of Physiology
HAROLD E. WRIGHT, M.D. Associate in Physiology
FIRMADGE K. NICHOLS, A.B., M.D. Instructor in Physiology

The course in Physiology extends throughout the First and Second Years. It consists of a series of lectures, covering the field of human physiology, laboratory work, demonstrations, and frequent recitations. It is constantly in the mind of the department that this course is introductory to the study of medicine. The recitations cover the subject-matter of the lectures and the experiments performed in the laboratory.

FIRST YEAR. 1. This course includes lectures and recitations upon the physiology of the blood and circulation, respiration, muscle and nerve, a portion of the central nervous system, and special senses, and such chemical and physical facts as are necessary for a proper understanding of the physiology taught. Two lectures and a recitation weekly throughout the year. Dr. McGlone, assisted by Dr. Wright.

SECOND YEAR. 2. *Didactic instruction.* During this year the remaining topics of physiology are covered by lectures and demonstrations. As in the first year frequent recitations will be held. The subject-matter includes the physiology of digestion and secretion, nutrition, metabolism, internal secretion, the central nervous system, and the eye and ear. Lectures, demonstrations, and recitations, three hours per week. Dr. McGlone, assisted by Dr. Conser.

3. *Experimental Physiology.* This is a laboratory course in the dynamics of muscle and nerve, studies in circulation and respiration, and physiology of the special senses. Apart from the acquisition of the facts of physiology, the student is taught to observe accurately, record carefully the results of his observations, and from these results draw an independent conclusion. He is also trained in the use of instruments which are of value to him in his clinical years. Three hours weekly throughout the year. Drs. McGlone, Conser and Wright.

4. *Elective Course in Physiological Technique.* This course is offered to Sophomores. Three hours per week. Second semester.

5. *Special Mammalian Physiology.* This is a laboratory course intended for advanced Laboratory students (optional) who may

wish to do special work in this line of physiology. Hours to be arranged. Dr. McGlone.

6. *Research in Physiology.* Properly qualified students will be admitted to the laboratory, which is well adapted for post graduate study and special research. Hours will be arranged to suit individuals. Dr. McGlone.

PHARMACOLOGY AND MATERIA MEDICA.

WILLIAM HENRY SCHULTZ, Ph.B., Ph.D. Professor of Pharmacology
O. G. HARNE, A.B. Associate Professor of Pharmacology

1. *Pharmacology.* Materia Medica and Prescription Writing required of all second year medical students during the first semester. Didactic, three hours a week; Laboratory, three hours a week.

This course is a prerequisite to all other courses in Pharmacology. Special emphasis is laid upon laboratory methods of observation and of intelligent note-taking. The essentials of prescription writing are taught and the student is introduced to the official pharmacopoeal preparations.

Not only is the student taught intelligently to use the United States Pharmacopea and the National Formulary, but the principles underlying the establishing of some of the most practical receipts are attacked from a didactic point of view.

2. *Systematic Pharmacology.* Required of all second year medical students. Three hours a week during the year, two lecture periods and one period for quiz and general conferences. Special care is taken to adapt the material to the practical needs of the medical student. Emphasis, however, is laid upon the pharmacological action of drugs as a pure science in order that a critical attitude toward drugs may be instilled. As the student masters the pharmacology of an important drug, its dosage, incompatibilities, and practical applications are driven home by systematic assignments of prescription writing, quizzes, and conferences.

3. *Pharmacodynamics.*—Second semester. Required of all second year medical students. Prerequisite pharmacology 1. Laboratory, six hours a week.

The course runs parallel with pharmacology 2. Being a laboratory course it furnishes much didactic material used in the class conferences and lectures of pharmacology No. 2.

As the student's ability in handling biological material develops, experiments involving the more difficult technic of pharmacological experimentation are introduced. Special emphasis is laid upon the student's ability to handle live tissues and to make first-hand observations of a given drug's action, regardless of what standard text-books teach.

Class conferences, discussions, and the reading of assigned papers are used to supplement the laboratory and lecture. In these conferences the professor in charge attempts to summarize the class work as a whole, thereby properly coordinating it. It is by these means that the student acquires a critical and scientific attitude toward *official* and *new and non-official remedies*. The study is limited for the most part to such drugs as are known to have a definite pharmacological action and therapeutic value.

4. *Special Pharmacodynamics.* (Credit according to work done.) This course is open to advance students and special workers who desire advanced training, or who wish to pursue some special problem in Pharmacology or Toxicology. Hours to be arranged. Professor Schultz.

5. *Research in Pharmacology and Chemo-Therapy.* Properly qualified students are admitted to the laboratory with a view to their carrying on original investigations in drug action. The newly equipped laboratories are well adapted for post-graduate study and research in Pharmacology. Hours will be arranged to suit the applicant. Professor Schultz.

DEPARTMENT OF PATHOLOGY.

HUGH R. SPENCER, M.D. Professor of Pathology
STANDISH McCLEARY, M.D. Professor of Pathology
SYDNEY CONE, M.D. Associate Professor of Pathology
WM. J. CARSON, M.D. Associate Professor of Pathology
E. D. WEINBERG, M.D. Assistant in Pathology
A. E. GOLDSTEIN, M.D. Assistant in Pathology

Courses of instruction in pathology are given during the second, third and fourth years. The courses are based on previous study of normal structures and functions and aim to outline the natural history of disease. The instruction is made as practical as possible that the student may become familiar with the appearance of organs and tissues in disease and may be able to correlate anatomical lesions with clinical symptoms and signs.

1. **GENERAL PATHOLOGY AND HISTO-PATHOLOGY.** This course is given to second year students, it includes the study and demonstration of disturbances of the body fluids, disturbances of structure, nutrition and metabolism of cells, disturbances of fat, carbohydrate and protein metabolism, disturbances in pigment metabolism, inflammation and tumors. The laboratory course consists in a daily preliminary lecture, after which the student is given microscopical sections for study. Gross material from autopsy and from the museum is demonstrated in conjunction with the microscopical study.

2. **APPLIED PATHOLOGY, INCLUDING GROSS MORBID ANATOMY AND MORBID PHYSIOLOGY.** Third year students: In this course the special relationship of the gross and microscopical lesions to clinical symptoms and signs is emphasized. Fresh material from autopsy collected at the various hospitals is demonstrated and supplemented by a study of the respective autopsy protocols.

Special stress is laid upon the study of the infectious diseases and where possible the causative agents are studied.

3. **AUTOPSIES.** Third year. Autopsy technic is taught to small groups of students by special instruction 2+ autopsies performed at the various hospitals. Students are required to assist at the autopsy, study the organs, examine the microscopical sections, make cultures and prepare autopsy protocols.

4. **CLINICAL PATHOLOGICAL CONFERENCE.** Fourth year. Material from autopsies is studied with reference to the clinical history and gross and microscopical anatomy, the course is illustrated with sections of fixed material or lantern slides.

5. **ADVANCED WORK IN PATHOLOGY.** Properly qualified students will be permitted to carry out advanced or research work along the lines of experimental pathology. Adequate space and equipment is available.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY.

WM. ROYAL STOKES, M.D., Sc.D.....	Professor of Bacteriology
FRANK W. HACHTEL, M.D.....	Associate Professor of Bacteriology
LOUIS F. KRUMREIN, M.D.....	Instructor in Bacteriology
HENRY F. BUETTNER, M.D.....	Instructor in Bacteriology
J. A. F. PFEIFFER, M.D.....	Instructor in Bacteriology

Instruction in special bacteriology is given in the laboratory to the students of the first year during one semester. This includes the various methods of sterilization and preparation of culture

material, the study of pathogenic microorganisms of vegetable origin, and the bacteriological study of water, milk, sewage, and other such materials. The bacteriological diagnosis of the infectious diseases is also included in this course. Animal inoculations and autopsies are performed in connection with the bacteria studied and diagnoses by means of serum reactions are also given. In the third year the various animal parasites are demonstrated and the diseases produced by these organisms studied by means of gross specimens, stained sections and lantern slides. The principles of general bacteriology are taught by lectures given twice a week during one semester. These lectures include the structure of bacteria, the various facts concerning their biological properties, infection and immunity.

The general principles of immunology are described in lectures to the second year class throughout the first semester and practical experiments in immunology are demonstrated to this class in laboratory sessions of three hours each, held twice weekly throughout the first semester.

DEPARTMENT OF BIOLOGICAL CHEMISTRY.

H. BOYD WYLLIE, M.D.....	Professor of Biological Chemistry
FRANK N. OGDEN, M.D.....	Instructor in Biological Chemistry

Instruction in Biological Chemistry comprises laboratory work, lectures and conferences.

LABORATORY WORK. The first few weeks of the laboratory work consists in the preparation of normal and standard solutions which requires careful use of the analytical balance and of volumetric glassware. The knowledge gained in this preliminary period is then put to practical application in the making of quantitative determinations of nitrogenous compounds of known nitrogen content. Daily reports are required of each student in this work and a careful record is kept of his ability.

At the end of this period there follows a long course of laboratory work on the chemistry and metabolism of the carbohydrates, proteins and lipins. Each type of foodstuff is considered separately; first its chemistry is studied and then its metabolism. In following this arrangement the usual long stretch of the pure chemistry of all of the foodstuffs is eliminated.

Experiments on the tissues of the body then follow, and precede the final group of experiments on bile, milk and those which relate to the more thorough study of blood and urine.

Throughout the laboratory work the older methods have been excluded, and those tests which are a duplication of the same principle have been reduced to a minimum. Qualitative tests include only those which are representative and essential. A great deal of stress is laid upon the importance of quantitative metabolic experiments, so that this type of work constitutes the major part of the laboratory experiments in this course.

LECTURES. The lectures precede or run parallel to the laboratory work, as far as possible. The first lectures deal with laboratory technic, the chemistry of solutions and indicators, osmotic pressure, the chemistry of colloids, catalysis, reversible reactions, the law of mass action and a discussion of enzymes. The lectures which follow refer to the chemistry and metabolism of carbohydrates, proteins and lipins. Relatively less time is given to the discussion of the chemistry of the various foodstuffs and more to the discussion of their metabolism. In these lectures the fundamental principles (biological, physical and chemical) are emphasized, however, not to the exclusion of the correlation of normal and abnormal metabolism.

The final lectures relate to discussions of the secretions, including milk, and of the blood and urine, including the metabolism of inorganic substances, salts and water.

CONFERENCES. From time to time conferences are held for the purpose of summarizing the work completed; to discuss any problems that have arisen during the course, and to review articles in journals which have a bearing on the current laboratory lecture work.

During the second semester sections are sent into the hospital for the purpose of collecting data on special metabolic or associated conditions. This data will be presented to the class as a whole and later discussed at a special clinic conducted in the hospital by a member of the Department of Medicine in collaboration with this department.

CLINICAL INSTRUCTION.

DEPARTMENT OF MEDICINE.

FRANCE C. PINCOFFS, S.B., M.D.	.....	Professor of Medicine
JOHN WILSON, M.D.	.....	Professor of Medicine
W. B. GAMBLE, JR., A.M., M.D.	.....	Professor of Medicine
EDISH MCCLEARY, M.D.	.....	Professor of Pathology and Clinical Medicine
E. GICHNER, M.D.	.....	Professor of Clinical Medicine
W. W. McELFRESH, M.D.	.....	Professor of Clinical Medicine
CHARROLL LOCKARD, M.D.	.....	Professor of Clinical Medicine
W. G. BECK, M.D., Sc.D.	.....	Associate Professor of Medicine
W. C. KNAPP, M.D.	.....	Associate Professor of Medicine
W. W. CLOUGH, B.S., M.D.	.....	Associate Professor of Medicine
W. W. JUDD, A.B., M.D.	.....	Associate Professor of Medicine
W. R. MILLER, M.D.	.....	Associate Professor of Medicine
W. LUTZ, A.B., M.D.	.....	Associate Professor of Clinical Medicine
D. MCCARTY, M.D.	.....	Associate Professor of Clinical Medicine
H. SMITH, M.D.	.....	Associate Professor of Clinical Medicine
W. MALDEIS, M.D.	.....	Associate Professor of Medical Jurisprudence
ROYD JOHNSON, A.B., M.D.	.....	Assistant Professor of Medicine
W. METZEL, M.D.	.....	Associate in Clinical Medicine
W. MESSICK, M.D.	.....	Associate in Clinical Medicine
W. McLEAN, M.D.	.....	Associate in Medicine
W. M. STEIN, M.D.	.....	Associate in Medicine
W. M. KRAUSE, M.D.	.....	Instructor in Medicine
W. MAYER, M.D.	.....	Instructor in Medicine
W. FRIN STREETT, M.D.	.....	Instructor in Medicine
W. HABLSTON, M.D.	.....	Instructor in Medicine
W. SLOAN, M.D.	.....	Instructor in Medicine
W. LICKLE, M.D.	.....	Instructor in Medicine
W. MARTINDALE, M.D.	.....	Instructor in Medicine
W. GOLDSBOROUGH, A.M., M.D.	.....	Assistant in Medicine
W. BYERS, M.D.	.....	Assistant in Medicine
W. BRUMBAUGH, M.D.	.....	Assistant in Medicine
W. SEIDEL, M.D.	.....	Assistant in Medicine
W. FORT, M.D.	.....	Assistant in Medicine

Experiments on the tissues of the body then follow, and precede the final group of experiments on bile, milk and those which relate to the more thorough study of blood and urine.

Throughout the laboratory work the older methods have been excluded, and those tests which are a duplication of the same principle have been reduced to a minimum. Qualitative tests include only those which are representative and essential. A great deal of stress is laid upon the importance of quantitative and metabolic experiments, so that this type of work constitutes the major part of the laboratory experiments in this course.

LECTURES. The lectures precede or run parallel to the laboratory work, as far as possible. The first lectures deal with laboratory technic, the chemistry of solutions and indicators, osmosis, the chemistry of colloids, catalysis, reversible reactions, the law of mass action and a discussion of enzymes. The lectures which follow refer to the chemistry and metabolism of carbohydrates, proteins and lipins. Relatively less time is given to the discussion of the chemistry of the various foodstuffs and more to the discussion of their metabolism. In these lectures the fundamental principles (biological, physical and chemical) are emphasized, however, not to the exclusion of the correlation of the normal and abnormal metabolism.

The final lectures relate to discussions of the secretions, including milk, and of the blood and urine, including the metabolism of inorganic substances, salts and water.

CONFERENCES. From time to time conferences are held for the purpose of summarizing the work completed; to discuss any problems that have arisen during the course, and to review articles in journals which have a bearing on the current laboratory or lecture work.

During the second semester sections are sent into the hospital for the purpose of collecting data on special metabolic or associated conditions. This data will be presented to the class as a whole and later discussed at a special clinic conducted in the hospital by a member of the Department of Medicine in collaboration with this department.

CLINICAL INSTRUCTION.

DEPARTMENT OF MEDICINE.

MAURICE C. PINCOFFS, S.B., M.D.	Professor of Medicine
GORDON WILSON, M.D.	Professor of Medicine
CARY B. GAMBLE, JR., A.M., M.D.	Professor of Medicine
STANDISH MCCLEARY, M.D.	Professor of Pathology and Clinical Medicine
JOS. E. GICHNER, M.D.	Professor of Clinical Medicine.
CHARLES W. McELFRESH, M.D.	Professor of Clinical Medicine
G. CARROLL LOCKARD, M.D.	Professor of Clinical Medicine
HARVEY G. BECK, M.D., Sc.D.	Professor of Clinical Medicine
HUBERT C. KNAPP, M.D.	Associate Professor of Medicine
PAUL W. CLOUGH, B.S., M.D.	Associate Professor of Medicine
C. C. W. JUDD, A.B., M.D.	Associate Professor of Medicine
SYDNEY R. MILLER, M.D.	Associate Professor of Medicine
JOHN LUTZ, A.B., M.D.	Associate Professor of Clinical Medicine
H. D. McCARTY, M.D.	Associate Professor of Clinical Medicine
WM. H. SMITH, M.D.	Associate Professor of Medical Jurisprudence
H. J. MALDEIS, M.D.	Associate Professor of Medicine
S. LLOYD JOHNSON, A.B., M.D.	Assistant Professor of Clinical Medicine
R. C. METZEL, M.D.	Associate in Clinical Medicine
W. I. MESSICK, M.D.	Associate in Medicine
GEORGE McLEAN, M.D.	Associate in Medicine
HARRY M. STEIN, M.D.	Associate in Medicine
L. A. M. KRAUSE, M.D.	Instructor in Medicine
E. E. MAYER, M.D.	Instructor in Medicine
D. CORBIN STREETT, M.D.	Instructor in Medicine
C. C. HABLSTON, M.D.	Instructor in Medicine
MARTIN SLOAN, M.D.	Instructor in Medicine
H. R. LICKLE, M.D.	Instructor in Medicine
J. W. MARTINDALE, M.D.	Instructor in Medicine
C. R. GOLDSBOROUGH, A.M., M.D.	Assistant in Medicine
HORACE BYERS, M.D.	Assistant in Medicine
B. B. BRUMBAUGH, M.D.	Assistant in Medicine
HERMAN SEIDEL, M.D.	Assistant in Medicine
WETHERBEE FORT, M.D.	Assistant in Medicine

GENERAL OUTLINE.

SECOND YEAR.

Introduction to clinical medicine.

- (a) Introductory physical diagnosis.
(1 hour a week, first semester.)
(2 hours a week, second semester.)
- (b) Clinical lectures on pathological physiology.
(1 hour a week, second semester.)

THIRD YEAR.

- I. The methods of examination (13 hours a week).
 - (a) History taking.
 - (b) Physical diagnosis.
 - (c) Clinical pathology.

These subjects are taught and practiced in the out-patient department and in the clinical laboratory.
- II. The principles of medicine (7 hours a week).
 - (a) Lectures, clinics and demonstrations in general medicine, neurology, pediatrics and preventive medicine.
- III. The principles of therapeutics (2 hours a week).
 - (a) Lectures and demonstrations in general therapeutics, physical therapeutics and materia medica.

FOURTH YEAR.

The practice of medicine.

- I. Clinical clerkship on the medical wards.
(26 hours a week for ten weeks.)
 - (a) Responsibility, under supervision, for the history, physical examination, laboratory examinations and progress notes of assigned cases.
 - (b) Ward classes in general medicine, the medical specialties, and therapeutics.
- II. Clinics in general medicine and the medical specialties (6 hours a week).
- III. Dispensary work in the medical specialties.
- IV. Clinical pathological conferences (1 hour a week).

MEDICAL DISPENSARY WORK.

The medical dispensaries of both the Mercy and the University Hospitals are utilized for teaching in the third year. Each student spends two periods a week of two hours each in dispensary work. The work is done in groups of four to six students under

an instructor. Systematic history taking is especially stressed. Physical findings are demonstrated. The student becomes familiar with the commoner acute and chronic disease processes.

PHYSICAL DIAGNOSIS.

SECOND YEAR. Didactic lectures and practical demonstrations in the medical topography and the physical conditions in health. Instruction and practice in systematic physical examination.

THIRD YEAR. The class is divided into small groups, and each section receives instruction for four hours a week for the entire session in the medical dispensaries of the hospitals. The large clinical material of the dispensaries and hospitals is utilized to give each student the opportunity to familiarize himself with the common types of bodily structure, with the normal variations in physical signs and with the physical signs of the chief pulmonary, circulatory and abdominal diseases.

TUBERCULOSIS.

During the third year in connection with the instruction in physical diagnosis a practical course is given twice weekly to sections of the class at the Municipal Tuberculosis Hospital. Stress is laid upon the recognition of the physical signs of the disease, as well as upon its symptomatology and gross pathology.

Dr. McCarty and associates.

THERAPEUTICS.

THIRD YEAR. General therapeutics and materia medica are taken up and an effort is made to familiarize the student with the practical treatment of disease. The special therapy of the chief diseases is then reviewed. Two hours a week. Dr. Lockard.

The principles of physical therapy are taught in a special lecture and demonstration course consisting of six one-hour periods. Dr. Gichner.

FOURTH YEAR. Special consideration is given to the practical application of therapeutic principles in bedside teaching and the chief therapeutic methods are demonstrated.

CLINICAL PATHOLOGY.

JOHN LUTZ, M.D.	Associate Professor of Medicine
H. J. MALDEIS, M.D.	Associate Professor of Medical Jurisprudence
L. A. M. KRAUSE, M.D.	Associate in Medicine
C. R. GOLDSBOROUGH, M.D.	Instructor in Medicine

During the third year the student is thoroughly drilled in the technique of the usual clinical laboratory work, so that he is able to perform all routine examination which may be called for during his fourth year, in connection with the work in the wards and dispensary.

The practical work is supplemented by a series of didactic lectures and demonstrations in which the entire teaching staff of the department takes an active part. The microscopical and chemical study of blood, exudates and transudates, gastric juice, spinal fluid, feces and urine are successively taken up, and special attention directed to the clinical significance of the findings.

Clinical parasitology from the standpoint of the infecting agent and the carrier, is given careful consideration.

The entire course is thoroughly practical. Each student is provided with a microscope, blood counters and hemoglobinometer for his exclusive use, and every two students with a special laboratory outfit for all routine purposes.

During the fourth year the student applies what he has learned during the preceding year in the laboratories of the various affiliated hospitals. He is also supplied with a laboratory outfit which is sufficiently complete to enable him to work independently of the general equipment. Special instructors are available during certain hours to give necessary assistance and advice.

GASTRO-ENTEROLOGY.

JULIUS FRIEDENWALD, A.M., M.D.	Professor of Gastro-Enterology
T. FRED. LEITZ, M.D.	Clinical Professor of Gastro-Enterology
J. HARRY ULLRICH, M.D.	Associate in Gastro-Enterology
THEODORE H. MORRISON, M.D.	Associate in Gastro-Enterology
MAURICE FELDMAN	Instructor in Gastro-Enterology
JOSEPH SINDLER, M.D.	Assistant in Gastro-Enterology
Z. MORGAN, M.D.	Assistant in Gastro-Enterology
M. S. KOPPELMAN, M.D.	Assistant in Gastro-Enterology
M. CHIDECKEL, M.D.	Assistant in Gastro-Enterology
N. J. DAVIDOV, M.D.	Assistant in Gastro-Enterology
ALBERT EISENBERG, M.D.	Assistant in Gastro-Enterology
PAUL F. WIEST, M.D.	Assistant in Gastro-Enterology

FOURTH YEAR. Clinic recitations and demonstrations to the class for one hour a week throughout the session. Dispensary instruction to small groups throughout the entire session. Practical instruction in the differential and clinical diagnosis and demonstrations of the newer methods of diagnosis in gastro-intestinal affections.

PSYCHIATRY.

R. M. CHAPMAN, M.D.	Professor of Psychiatry
G. F. SARGENT, M.D.	Associate in Clinical Psychiatry
PAUL J. EWERTHARDT, M.D.	Associate in Psychiatry
GEORGE E. CLARKE, M.D.	Associate in Psychiatry

FOURTH YEAR. This subject is taught by means of didactic and clinical lectures. Abundant material is at the command of this department in the various institutions which are presided over by the teachers in psychiatry. The student is brought into contact with the early manifestations of mental disease in the dispensaries of the University and Mercy Hospitals, and in a series of clinics opportunity is afforded to observe the course and later manifestations of the disease, often in these same patients, at the Sheppard-Enoch Pratt Hospital, Mount Hope Retreat, and City Detention Hospital.

PEDIATRICS.

JOHN RUHRAH, M.D.	Professor of Pediatrics
CHARLES L. SUMMERS, M.D.	Professor of Pediatrics
EDGAR B. FRIEDENWALD, M.D.	Clinical Professor of Pediatrics
C. LORING JOSLIN, M.D.	Associate in Pediatrics
W. H. INGRAM, M.D.	Instructor in Pediatrics
J. F. HAWKINS, M.D.	Assistant in Pediatrics
HOWARD H. WARNER, M.D.	Assistant in Pediatrics
JOHN HOUFF, M.D.	Assistant in Pediatrics
B. J. FERRY, M.D.	Assistant in Pediatrics
WILLIAM J. TODD, M.D.	Assistant in Pediatrics
JOHN H. TRABAND, M.D.	Assistant in Pediatrics
WILLIAM F. GEYER, M.D.	Assistant in Pediatrics
GEORGE E. WELLS, M.D.	Assistant in Pediatrics
F. B. SMITH, M.D.	Assistant in Pediatrics
P. ARTIGIANI, M.D.	Assistant in Pediatrics
I. J. FEINGART, M.D.	Assistant in Pediatrics

THIRD YEAR. Instruction during the third year consists of one lecture each week in which infant feeding and the most important diseases of infancy and childhood are especially emphasized. Drs. Ruhrah and Summers.

FOURTH YEAR. During this year a weekly clinical lecture is given where the character of disease is fully demonstrated and the students are afforded an opportunity for personal examination of all cases. In addition ward classes are held weekly where bedside instruction is given. A section of the class also works daily in the Babies' and Children's Clinic. This clinic, which is under the direction of Dr. Summers, has an attendance of more than one thousand monthly, and offers an excellent opportunity for study and observation of a wide variety of cases under competent instructors.

Instruction is also given in the Children's Dispensary at the Mercy Hospital.

NEUROLOGY.

IRVING J. SPEAR, M.D.	Professor of Neurology
ANDREW C. GILLIS, A.M., M.D.	Professor of Neurology
G. M. SETTLE, A.B., M.D.	Associate Professor of Neurology
BENJAMIN PUSHKIN, M.D.	Instructor in Neurology
MILTON LEVY, M.D.	Instructor in Neurology
J. A. SKLADOWSKY, M.D.	Assistant in Neurology

THIRD YEAR. Lectures and recitations two hours each week to entire class throughout one semester. This course comprises the study of the anatomy and physiology of the nervous system, the method of neurological examination, and relationship of signs and symptoms to pathological conditions. The material at the University and Mercy Hospitals is available.

Clinical Conference, one hour each week to the entire class. This subject is taught at the University and Mercy Hospitals. All cases presented at these clinics are carefully examined; complete written records are made by the students who demonstrate the cases before the class. These cases are usually assigned one or two weeks before they are presented, and each student in the class must prepare one or more cases during the year.

Ward Class Instruction. In small sections at the University and Mercy Hospitals. In these classes the students come in close personal contact with the cases in the wards under the supervision of the instructor.

Dispensary Instruction. Small sections are instructed in the dispensaries of the University and Mercy Hospitals four afternoons each week. In this way students are brought into contact with nervous diseases in their earlier as well as later manifestations.

HYGIENE AND PREVENTIVE MEDICINE.

C. HAMPSON JONES, M.D., C.M. Professor of Hygiene and Public Health

THIRD YEAR. Two lectures a week throughout the session. The lectures will encompass the fundamental subjects: Air, Water, Soil, Food, Disposal of Wastes, Communicable Diseases, State and Federal Public Health Laws, and Industrial Diseases.

MEDICAL JURISPRUDENCE.

H. J. MALDEIS, M.D. Associate Professor of Medical Jurisprudence
Baltimore City Post Mortem Physician.

THIRD YEAR. One hour each week for one semester. Inasmuch as Medical Jurisprudence teaches the application of every branch of medical knowledge to the needs of law, civil or criminal, this course embraces the following:—Proceedings in criminal and civil prosecution; medical evidence and testimony; personal and civil relations; sexual abnormalities; personal identity in its general relations; sexual abnormalities; signs of death; impotence and sterility; rape; criminal abortions; signs of death; wounds in their medico-legal relations; death, natural and homicidal; malpractice; insanity and medico-legal autopsies.

DEPARTMENT OF SURGERY.

ARTHUR M. SHIPLEY, Sc.D., M.D.	Professor of Surgery
ARCHIBALD C. HARRISON, M.D.	Professor of Surgery
ALEXIUS MCGLANNAN, A.M., M.D.	Professor of Clinical Surgery
JOSEPH H. BRANHAM, M.D.	Clinical Professor of Surgery
NATHAN WINSLOW, A.M., M.D.	Clinical Professor of Industrial Surgery
PAGE EDMUNDS, M.D.	Clinical Professor of Surgery
WALTER D. WISE, M.D.	Clinical Professor of Surgery
JOSEPH W. HOLLAND, M.D.	Clinical Professor of Surgery
J. C. LUMPKIN, M.D.	Associate Professor of Surgery
WILLIAM W. REQUARDT, M.D.	Associate Professor of Clinical Surgery
H. C. BLAKE, M.D.	Associate Professor of Surgery
FRANK S. LYNN, M.D.	Associate Professor of Surgery

ELLIOTT H. HUTCHINS, A.M., M.D.	Associate Professor of Surgery
THOMAS R. CHAMBERS, A.M., M.D.	Associate Professor of Surgery
R. W. LOCHER, M.D.	Associate Professor of Operative and Clinical Surgery
E. H. HAYWARD, M.D.	Associate in Surgery
FRANK J. KIRBY, M.D.	Associate in Surgery
CHARLES REID EDWARDS, M.D.	Associate in Surgery
F. L. JENNINGS, M.D.	Instructor in Surgery
A. M. EVANS, M.D.	Instructor in Surgery
E. P. SMITH, M.D.	Instructor in Operative Surgery
H. M. FOSTER, M.D.	Instructor in Surgery
E. S. JOHNSON, M.D.	Instructor in Surgery
F. X. KEARNEY, M.D.	Assistant in Surgery
G. W. BOWDEN, M.D.	Assistant in Surgery
DWIGHT MOHR, M.D.	Assistant in Surgery
AMOS HUTCHINS, M.D.	Assistant in Surgery
C. A. REIFSCHNEIDER, M.D.	Assistant in Surgery
WM. R. GERAGHTY, M.D.	Assistant in Surgery
S. DEMARCO, M.D.	Assistant in Surgery
O. H. LLOYD, M.D.	Assistant in Surgery
CLYDE MARVEL, M.D.	Assistant in Surgery
EVERARD BRISCOE, M.D.	Assistant in Surgery
I. O. RIDGELY, M.D.	Assistant in Surgery
H. B. McELWAIN, M.D.	Assistant in Surgery
C. F. HORINE, M.D.	Assistant in Surgery

The teaching is in the Anatomical Laboratory and the dispensaries, wards, clinical laboratories and operating rooms of the University and Mercy Hospital, and in the wards and dead-house of the Municipal Hospitals at Bay View.

Instruction is given by means of lectures, recitations, dispensary work, bedside instruction, ward-classes, and clinics. The work begins in the second year, and continues throughout the third and fourth years.

SECOND YEAR.

Topographic and Surgical Anatomy, 10 hours a week for the first semester. The course is designed to bridge the gap between anatomy in the abstract, and clinical anatomy as applied to the study and practice of medicine and surgery.

The teaching is done in the anatomical laboratory, and students are required to demonstrate all points, outlines, and regions on the cadaver. Underlying regions are dissected when necessary to bring out outlines and relation of structures. Didactic lectures two hours weekly, augmented by demonstrations with specimens,

charts, and cross-sections. Dr. Holland, assisted by Drs. Reifschneider, Foster, J. Mason Hundley, Jr., and Reitzel.

Surgical Technique. The course includes history taking, first aid treatment, demonstration of use of tourniquet and other emergency appliances and surgical dressings, bandages, plaster, adhesive plaster, suture material, solutions; their preparation and use.

It includes also inflammation and suppuration, ulcers, gangrene, fistulae, sinuses, non-operative therapeutics, asepsis and antisepsis, the study of circulatory and respiratory failure, preparation of patients, dummy operations and written description of operation, splints, bed frames, bone plates, grafts and local anaesthesia.

Lectures and conferences, two hours a week for one semester. Dr. Edwards.

THIRD YEAR.

General and Regional Surgery. Principles of surgery and general surgery, three hours a week throughout the year to the entire class, lectures, recitations and clinics. Dr. Shipley.

The class is divided into groups and receives instruction in history-taking, gross pathology, and surgical diagnosis—at the bedside and in the deadhouse of the Municipal Hospitals at Bay View. Drs. Shipley and Lynn.

Operative Surgery. Instruction is given in operative surgery upon the cadaver and on dogs. The class is divided into sections, and each section is given practical and individual work under the supervision of the instructors. Dr. Frank S. Lynn, assisted by Drs. Nathan Winslow, Locher, Hayward, E. S. Johnson, Edwards, Foster, Reifschneider, Geraghty, Demarco, Kearney, Briscoe and Horine.

Fractures and Dislocations. Twenty-four hours to entire class. This course consists of instruction in the various forms of fractures and dislocations and their treatment, and serve as a preparatory course for clinical work. Dr. Wise.

Surgical Dispensary. Under supervision, the student takes the history, makes the physical examination, attempts the diagnosis, and, as far as possible, carries out the treatment of the ambulatory surgical cases in the University and Mercy Hospitals. Mercy Hospital—Drs. Amos Hutchins, Mohr, A. M. Evans, Wheaton, Kearney, Lloyd and Marvel. University Hospital—

Drs. Holland, Lynn, Hayward, Edwards, E. S. Johnson and Foster.

FOURTH YEAR.

Clinics. A weekly clinic will be given at the Mercy and University Hospitals to one-half the class throughout the year. As far as possible this is a diagnostic clinic. Mercy Hospital—Drs. Harrison and McGlannan. University Hospital—Dr. Shipley.

Surgical Pathology. A weekly exercise of one hour at Mercy Hospital for one semester, at which specimens from the operating-room and museum are studied in the gross and microscopically, in relation with the case history. Dr. McGlannan.

Industrial Surgery. Operative and post-operative treatment of accident cases, with instructions as to the relationship between the state, the employee, and employer, and the physician's duty to each. One hour a week to sections of the class throughout the year. Dr. Edmunds.

Clinical Clerkship. The personal study of assigned hospital patients, under supervision of the staffs of University and Mercy Hospitals, history taking, and physical examinations of patients, laboratory examinations, attendance at operations and observation of post-operative treatment.

Ward Classes. Ward class instruction in small groups, will consist of ward rounds, surgical diagnosis, treatment and the after care of operative cases. Mercy Hospital—Drs. Harrison, McGlannan, Wise, Elliott Hutchins, Evans and Locher. University—Drs. Shipley, Holland, Edmunds, Lynn and Edwards.

ANAESTHESIA.

THIRD YEAR.

Lectures on the history of anaesthesia, general physiology of inhalation of anaesthetics, special physiology of each anaesthetic, methods of administration, inhalation, colonic, intravenous, complications and preventive methods, including artificial respiration and post-anaesthesia treatment of patients. One hour weekly for one semester. Dr. S. Griffith Davis.

Anaesthesia in obstetrics, one lecture. Dr. J. McF. Bergland.

FOURTH YEAR.

During the clinics and operations before small groups, each student will be required to administer anaesthetic under the direc-

tion of an instructor. University Hospital—Drs. Queen and Moore. Mercy Hospital—Drs. Kearney and Ridgely.

DERMATOLOGY.

T. CASPAR GILCHRIST, M.R.C.S., L.S.A., M.D. Professor of Dermatology
 MELVIN ROSENTHAL, M.D. Associate Professor of Dermatology
 JOHN R. ABERCROMBIE, A.B., J.D. Associate Professor of Dermatology
 HARRY M. ROBINSON, M.D. Associate in Dermatology
 JOSEPH E. GATELY, M.D. Instructor in Dermatology
 JOHN A. BUCHNESS, M.D. Assistant in Dermatology

Clinical conference one hour each week to entire class. This course will consist of demonstrations of the common diseases of the skin. Dr. Gilchrist.

Dispensary instruction, University Hospital, Mondays, Wednesdays and Fridays in the diagnosis and treatment of the common skin diseases. Dr. Abercrombie. Dispensary instruction, Mercy Hospital, Drs. Rosenthal, Robinson and Gately.

ORTHOPAEDIC SURGERY.

R. TUNSTALL TAYLOR, A.B., M.D. Professor of Orthopedic Surgery
 ALBERTUS COTTON, A.M., M.D. Professor of Orthopedic Surgery
 COMPTON RIELY, M.D. Clinical Professor of Orthopedic Surgery
 W. H. DANIELS, M.D. Demonstrator in Orthopedic Surgery
 W. ARTHUR DARBY, M.D. Demonstrator in Orthopedic Surgery
 H. L. WHEELER, M.D. Demonstrator in Orthopedic Surgery

In this course didactic, clinical, bedside and out-patient instruction will be given. This instruction is provided in the University Hospital Amphitheater and Dispensary, Mercy Hospital and Dispensary and Kernan Hospital and Industrial School for Crippled Children at "Radnor Park," and in the Dispensary of same at 620 West Lombard Street.

Lectures, clinics and quizzes will be held at each of the hospitals once a week. In addition, a weekly bedside clinic will be held for small sections of the class at "Radnor Park."

The course will cover instruction in special methods and instruments required in this surgical specialty, including X-Ray technique; Wolff's law; tuberculosis of bones and joints; deformities of the feet; non-tuberculous deformities of the feet and joints; the paralyses; the bursal, tendinous and muscular conditions producing orthopedic affections; rickets; scurvy; osteoma-

lacia; chondrodystrophies; wry-neck and the use and application of orthopedic apparatus.

ROENTGENOLOGY AND RADIOTHERAPY.

HENRY J. WALTON, M.D. Professor of Roentgenology
ALBERTUS COTTON, A.M., M.D. Professor of Roentgenology
JOHN EVANS, M.D. Associate Professor of Roentgenology
CHARLES REID EDWARDS, A.B., M.D. Associate in Radio Therapy

Instruction is given in the history, physics, and practical application of Roentgen Rays and Radium. Especial effort is made to demonstrate the use of the Roentgen Ray in diagnosis by instruction in both fluoroscopy and plate reading. The sections of the fourth year class receive two hours instruction each week.

The student is also taught the practice, application of Radium and Roentgen rays as therapeutic agents. In the X-ray laboratory and in the hospital wards students are shown the use of these agents in the treatment of disease.

DISEASES OF THE THROAT AND NOSE.

EDWARD A. LOOPER, M.D.,
Clinical Professor of Diseases of the Throat and Nose
FRANK DYER SANGER, M.D. Professor of Diseases of the Throat and Nose
GEORGE W. MITCHELL, M.D.,
Associate Professor of Diseases of the Throat and Nose
GEORGE MURGATROYD, M.D. Associate in Diseases of the Throat and Nose
W. F. QUINN, M.D. Associate in Diseases of the Throat and Nose
FRANK B. ANDERSON, M.D. Instructor in Diseases of the Throat and Nose
R. F. MCKENZIE, M.D. Assistant in Diseases of the Throat and Nose

THIRD YEAR. Clinical Lectures. One hour each week throughout the session. Drs. Looper and Sanger.

FOURTH YEAR. Dispensary instruction daily in small sections at the University and Mercy Hospitals. Ward classes one hour each week at the University and Mercy Hospitals.

GENITO-URINARY DISEASES.

ANTON G. RYTINA, A.B., M.D. Professor of Genito-Urinary Diseases
HARRIS GOLDMAN, M.D. Associate in Genito-Urinary Diseases
W. H. TOULSON, M.D. Associate in Genito-Urinary Diseases
A. J. GILLIS, M.D. Instructor in Genito-Urinary Diseases
WILFORD A. COUNCELL, M.D. Instructor in Genito-Urinary Diseases

AMOS F. HUTCHINS, M.D. Assistant in Genito-Urinary Diseases
L. K. FARGO, M.D. Assistant in Genito-Urinary Diseases
AUSTIN H. WOOD, M.D. Assistant in Genito-Urinary Diseases
HOWARD L. TOLSON, M.D. Assistant in Genito-Urinary Diseases

Instruction in Genito-Urinary Surgery is given to the members of the senior class, from both a practical and didactic standpoint. The course includes everything pertaining to modern urology, such as urethroscopy, cystoscopy, ureter catheterization, renal functional tests, X-ray, pyelography, blood urea estimations, etc. The teaching consists of clinics in the amphitheatre, ward rounds, and attendance by members of the senior class upon out-patients in the dispensary. In the latter department there were about 30,000 visits made during the past year. Ample facilities are afforded the students to see a large variety of every type of venereal disease. They are first instructed in the method of taking a genito-urinary history, are shown the technique of urethroscopy, cystoscopy, urethral instrumentation, rectal massage, demonstrations of the spirocheta pallida, and administration of Salvarsan.

DISEASES OF THE COLON AND RECTUM.

G. MILTON LINTHICUM, A.M., M.D.,
Professor of Diseases of Rectum and Colon
CHARLES F. BLAKE, M.D. Professor of Diseases of Rectum and Colon
J. DAWSON REEDER, M.D.,
Associate Professor of Diseases of Rectum and Colon

FOURTH YEAR. This course is for instruction in diseases of the Colon, Sigmoid Flexure, Rectum and Anus, and will cover the essential features of the Anatomy and Physiology of the large intestine, as well as the various diseases to which it is subject. The importance of diseased conditions and malpositions of the intestines, in relation to systemic disturbances, will be emphasized by demonstrations.

In small groups, the students will be taken into the wards and dispensaries of the University and Mercy Hospitals, where different phases of the various diseases will be taught by direct observation and examination. The use of the proctoscope and sigmoidoscope in examination of the rectum and sigmoid will be made familiar to each student.

A course in Proctoscopy may be given in the City Hospitals at Bay View, where abundance of material is always obtainable.

DEPARTMENT OF OBSTETRICS.

J. M. H. ROWLAND, M.D.	Professor of Obstetrics
L. E. NEALE, A.M., M.D., LL.D.	Professor of Obstetrics
BERNARD PURCELL MUSE, M.D.	Professor of Clinical Obstetrics
CHARLES E. BRACK, M.D.	Clinical Professor of Obstetrics
J. MCF. BERGLAND	Associate in Obstetrics
H. S. GORSUCH, M.D.	Associate in Obstetrics
L. H. DOUGLASS, M.D.	Associate in Obstetrics
F. H. MACHIN, M.D.	Assistant in Obstetrics
J. G. M. REESE, M.D.	Assistant in Obstetrics
SUSANNE R. PARSONS, A.M., M.D., PH.D.	Assistant in Obstetrics
DUDLEY PLEASANTS BOWER, B.A., M.D.	Assistant in Obstetrics
STANLEY W. MATTHEWS, M.D.	Assistant in Obstetrics

THIRD YEAR. Three lectures and recitations each week by Drs. Neale and Rowland to entire class.

Manikin Work. Drs. Brack and Douglass, to sections of class at Mercy and University Hospitals.

FOURTH YEAR. *Clinical Conference.* One hour each week for one semester to University Hospital section. Drs. Rowland and Neale.

Ward Classes. Six hours per week for five weeks to section of class at University Hospital. Drs. Rowland and Douglass.

DEPARTMENT OF GYNECOLOGY.

WILLIAM S. GARDNER, M.D.	Professor of Gynecology
J. MASON HUNDLEY, M.D.	Professor of Clinical Gynecology
W. B. PERRY, M.D.	Professor of Clinical Gynecology
HUGH BRENT, M.D.	Associate Professor of Gynecology
ABRAHAM SAMUELS, M.D.	Associate Professor of Gynecology
GEO. A. STRAUSS, M.D.	Associate in Gynecology
R. G. WILLSE, M.D.	Associate in Gynecology
T. K. GALVIN, M.D.	Assistant in Gynecology
JACK M. HUNDLEY, M.D.	Assistant in Gynecology

THIRD YEAR. *Didactic Work.* A course of thirty lectures and recitations in the second semester.

Clinical Work. Six hours weekly for one trimester. In this course a student writes the clinical history of each patient in the ward, makes a general physical examination, including the blood and urine, before the patient is brought before the class. One

student under supervision gives the anesthetic, a pelvic examination is made by six students, and any operation required is then done before a section of the class small enough to see clearly what is being done and how it is done. On a subsequent day the whole group examine microscopically sections prepared from material removed from patients that have been before them.

DEPARTMENT OF OPHTHALMOLOGY AND OTOTOLOGY.

HARRY FRIEDENWALD, A.B., M.D.	Professor of Ophthalmology and Otology
J. W. DOWNEY, M.D.	Clinical Professor of Otology
CLYDE A. CLAPP, M.D.	Associate Professor of Ophthalmology
M. RANDOLPH KAHN, M.D.	Associate Professor of Ophthalmology
H. K. FLECK, M.D.	Associate in Ophthalmology
JOSEPH I. KEMLER, M.D.	Associate in Ophthalmology
E. A. KNORR, M.D.	Associate in Ophthalmology

THIRD YEAR. *Course in Diseases of the Eye,* October 2nd to January 18th. Dr. Harry Friedenwald.

Course in the Diseases of the Ear, October 2nd to January 18th. Dr. Downey.

Practical Course in Ophthalmology, once weekly, in sections. Drs. Fleck and Kemler.

FOURTH YEAR. *Clinics in Diseases of the Eye and Ear,* weekly. Drs. Harry Friedenwald and Downey.

Ward Studies of ocular and aural lesions associated with general medical diseases, once weekly in sections. Drs. Clapp and Downey.

Dispensary Instruction, daily in small sections. Drs. Kahn and Knorr.

The courses in Ophthalmology and Otology are designed to familiarize the students with the common diseases of the eye and ear, their recognition and treatment, with a view to meet the needs of the general practitioner. Special emphasis is laid upon the relation between diseases of the eye and the ear and systemic diseases and diseases of other organs.

SCHEDULE

FIRST YEAR SCHEDULE—FIRST SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 9 to 10. 10 to 11.	Histology and Embryology Laboratory.					Dissecting.
11 to 11.30.	Transfer.	Histology.	Transfer.	Histology and Embryology Laboratory.	Transfer.	
11.30 to 12.	11.30 to 12.30. Physiology.		11.30 to 12.30. Physiology.	Lunch and Transfer.	11.30 to 12.30. Physiology.	
P. M. 12 to 1.	Lunch.	Lunch and Transfer.	Lunch.		Lunch.	
1 to 2.				Anatomy			and	Dissecting.
2 to 5.						

Classes in Anatomy, Dissecting, and Physiology at Lombard and Greene Streets; all other classes at Calvert and Saratoga Streets.

FIRST YEAR SCHEDULE—SECOND SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Histology and Embryology Laboratory.					Dissecting.
9.30 to 10.30.							Bacteriology
10.30 to 11.30.	Physiology.	Histology	Physiology.	Bacteriology	Physiology.	
11.30 to 12.00.	Lunch.					
P. M. 12 to 2.	Bacteriology.		Laboratory.			
2 to 2.30.	Transfer.					
2.30 to 5.30.	Anatomy	and			Dissecting.	

Classes in Anatomy and Dissecting at Lombard and Greene Streets; all other classes at Calvert and Saratoga Sts.

SCHEDULE

SECOND YEAR SCHEDULE—FIRST SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Physiology.	Laboratory.	Physiology.	Laboratory.	Pharmacology.	Physiology.
9.30 to 10.30.	Biological Chemistry.	Physiology, Section A.	Biological Chemistry.	Physiology, Section B.	Biological Chemistry.	Pharmacology
10.30 to 11.30.	Pathology.	Biological Chemistry, Section B.	Pharmacology	Biological Chemistry, Section A.	Pathology.	Pathology.
11.30 to 12.30.	Lunch.	Lunch and Transfer Period.				
P. M. 12.30 to 1.30.	Laboratory.	Laboratory.	Laboratory.	Immunology.	Immunology.	
1.30 to 2.30.	Pharmacology	Immunology and Serology	Immunology and Serology	Surgery.	Medicine.	
2.30 to 3.30.				Surgical Anatomy.	Surgical Anatomy.	
3.30 to 4.30.	Neural Anatomy.	Surgical Anatomy.	Surgical Anatomy.			
4.30 to 5.30						

Classes on Tuesdays, Wednesdays, Thursdays and Fridays from 12.30 to 5.30, at Calvert and Saratoga Streets; all other classes at Lombard and Greene Streets.

SECOND YEAR SCHEDULE—SECOND SEMESTER.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Physiology.	Laboratory:	Physiology.	Laboratory:	Pharmacology	Physiology.
9.30 to 10.30.	Biological Chemistry.	Physiology, Section A.	Biological Chemistry.	Physiology, Section B.	Biological Chemistry.	Pharmacology
10.30 to 11.30.	Pathology.	Biological Chemistry, Section B.	Pharmacology	Biological Chemistry, Section A.	Pathology.	Pathology.
11.30 to 12.00.	Lunch.					Lunch.
P. M. 12 to 1.	Pathological Laboratory.					Medical Clinic
1 to 2.						Surgery.
2 to 3.	Laboratory: Pharmacology Section A.	Laboratory: Pharmacology Section A.	Physical Diagnosis.	Laboratory: Pharmacology Section B.	Laboratory: Pharmacology Section B.	
3 to 4.	Biological Chemistry, Section B.	Physiology, Section B.		Physiology, Section A.	Biological Chemistry, Section A.	
4 to 5.						

All classes at Lombard and Greene Streets.

THIRD YEAR SCHEDULE.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 9.30.	Medicine.	Pathology.	Therapeutics.	Surgery.	Pathology.	Surgery.
9.30 to 10.30	Pediatrics.	Surgery.	Obstetrics.	Medicine.	Therapeutics.	Medicine.
10.30. to 1.30.	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis. Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis Operative Surgery. Dispensary. Lunch and Transfer.	Physical Diagnosis Operative Surgery. Dispensary. Lunch and Transfer.
P. M. 1.30 to 2.30.	Medical Clinic.	Obstetrics.	Section A. Clinical Medicine & Surgery, Gross Pathology, at Bay View.	Obstetrics	Neurology	Gynecology.
2.30 to 4.30	Pathology Laboratory	Pathology. Laboratory.		Clinical Pathology Laboratory	Clinical Pathology Laboratory	Section B. Clinical Medicine & Surgery, Gross Pathology, at Bay View.
4.30 to 5.30.	Preventive Medicine.	Eye & Ear— Oct. 2 to Jan. 18. Physical Therapeu- tics—Jan. 22-Feb. 22. Fractures— Feb. 26- May 31.	Section B. 1.30 to 2.30, Work in Ophthalmol- scopy.	Eye & Ear— Oct. 2 to Jan. 18. Physical Therapeu- tics—Jan. 22-Feb. 22. Fractures— Feb. 26- May 31.	Preventive Medicine.	Section A. 1.30 to 2.30, Group Work in Ophthalmol- scopy.

From 10.30 A. M. to 1.30 P. M. the class is divided into two sections, one section reporting at Calvert and Saratoga Streets, the other at Lombard and Greene Streets.
Classes on Thursdays, Fridays, from 1.30 to 5.30, and Saturdays, 1.30 to 2.30, at Calvert and Saratoga Streets.

FOURTH YEAR SCHEDULE.

Hours.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
A. M. 8.30 to 11.00.	Ward Classes Medicine, Surgery, Obstetrics.	Ward Classes Medicine, Surgery, Gynecology.	Ward Classes Medicine, Obstetrics, Surgery, 10- 11.	Ward Classes Medicine, Surgery Gynecology.	Ward Classes Medicine, Surgery.	Ward Classes Medicine, Surgery, Gynecology.
11.00 to 12.00.	Orthopedic Surgery.	Medical Clinic (University) Surgical Path. (Mercy)	Clinical Pathological Conference.	Surgical Clinic.	Medical Clinic.	Pediatrics Clinic.
P. M. 12.00 to 2.00.	Dispensary Lunch and Transfer	Dispensary and Lunch	Dispensary and Lunch and Transfer	Dispensary and Lunch	Dispensary, Lunch and Transfer.	Dispensary Lunch and Transfer.
2.00 to 3.00.	Dermatology Clinic (Full class at Univ. Hosp.)	Neurology Clinic	Eye and Ear Clinic (Full class at Univ. Hosp.)	Genito-Uri- nary Clinic (Mercy) Obstetrical Clinic (Uni- versity Hosp.)	Gastro- Enterology Clinic. (Full class at Univ. Hosp.)	Psychiatry Clinic (Full class at Univ. Hosp.)
3.00 to 4.30.	Ward Classes	Ward Classes	Ward Classes Medicine. Nose & Throat. Obstetrics.	Ward Classes Medicine. Orthopedic Surgery. Obstetrics.	Ward Classes Medicine. X-Ray. Neurology.	
4.30 to 5.30.	Medicine. Urology. Eye & Ear. Preventive Medicine.	Medicine. Proctology. Pediatrics. Gynecology.			Preventive Medicine.	

The Senior class is divided into two sections, which report, one at Lombard and Greene Streets, the other at Calvert and Saratoga Streets, for one semester each, rotate at the end of each semester on January 28, 1923.
Each section of the class is divided into three groups—Medical, Surgical and Special. These groups will rotate on the following dates:

FIRST SEMESTER.

- 1st period, Oct. 2 to Nov. 4.
- 2nd period, Nov. 6 to Dec. 9.
- 3rd period, Dec. 10 to Jan. 27.

SECOND SEMESTER.

- 1st period, Jan. 29 to Mar. 3.
- 2nd period, Mar. 5 to Apr. 7.
- 3rd period, Apr. 9 to May 26.

THE UNIVERSITY HOSPITAL TRAINING SCHOOL FOR NURSES.

MISS ANNIE CRIGHTON, R.N., *Superintendent of Training School.*

The University of Maryland School for Nurses, established in the year 1889 for the purpose of instructing women in the art of caring for the sick, is now entering its thirty-second year.

The University Hospital is a large general hospital containing about 250 beds, and is equipped to give young women a thorough course of instruction and practice in all phases of nursing work.

Unusual advantages are offered to student nurses because of the varied services and well-thought-out curriculum, taught by qualified instructors and members of the Medical Staff of the University.

The Nurses' Home is a new fireproof, modern building in every respect; single rooms for students, large reception and recreation rooms. The Laboratory and class rooms are also in this building and have been specially planned to answer the teaching needs of the student nurse.

Candidates wishing to obtain the course of instruction must apply personally or by letter to the Superintendent of Nurses. Those applying by letter should enclose a statement from a clergyman testifying to good moral character, and one from a physician certifying to sound health and unimpaired faculties. No candidate will be considered who is not physically fit. Applicants must not be under 19 or over 35 years of age. They must show that they have graduated from a high school or have the equivalent of such a degree of education. The Superintendent of Nurses decides as to the fitness of the candidate for the work and the propriety of dismissing or retaining them at the end of their probation term. She may also, with the approval of the Committee, dismiss a pupil from the school at any time for misconduct or inefficiency.

The course of instruction covers a period of three years.

Classes are admitted in February and March and September. Student Nurses are on duty eight hours during the day, and ten hours when on night duty, except during the first six weeks of the preliminary period, when four hours are spent in the wards and four hours in the classroom.

When the work will permit a half day is allowed on Sunday. The term of night duty is two months during each year.

Sickness: Pupils when ill will be cared for gratuitously. All time lost for sickness or any other cause must be made up. Should the authorities of the school decide that through the time lost the theoretical work has not been sufficiently covered to permit the student to continue in that year, it will be necessary for her to continue her work with the next class.

Vacations: Vacations are given between June and September. A period of three weeks is allowed the student after the completion of the first and second years.

Examinations: Examinations are held after each course of study and lectures, and the standing of the student at the end of the year is based upon the results of these examinations and the general character of the work throughout the year.

The diploma of the school will be awarded to those who have satisfactorily completed the full term of three years and have passed successfully the final examinations.

GRADUATING CLASS OF 1922, UNIVERSITY HOSPITAL.

Student	Address
Cecile Marie DuBois	Maryland
Veronica Ellen Callaghan	Ohio
Nettie Bradley Lord	Maryland
Mary Julia Deputy	Maryland
Grace Lovell Elgin	Pennsylvania
Frankie Bowman Morrison	Virginia
Lucille Love Bowie	Virginia
Isabelle Jamison Fannair	Maryland
Eva Louise Yeager	

THE MERCY HOSPITAL TRAINING SCHOOL FOR NURSES.

The Mercy Hospital Training School for Nurses, conducted by the Sisters of Mercy and connected with the College of Physicians and Surgeons, was organized and incorporated under the general laws of the State of Maryland in 1899. Its first students were graduated in 1901; and on the passage of the bill for registration in 1904 the Sisters of Mercy, connected with the Hospital service, received certificates as registered nurses.

The Training School was affiliated with the Board of Regents of the State of New York in 1906; and in the same year the Alumnae Association was incorporated, having been previously connected with the Associated Alumnae of the United States. The graduates, as active members, have been much interested in the movements of the Maryland Association of Graduate Nurses, to whom they have given every encouragement to uplift the pro-

fession in its many works of district nursing, tuberculosis campaign, Red Cross movements, etc.

The requirements for entrance are: Highest moral standing, health, intelligence and a High School education or its equivalent. The age limit is twenty to thirty-five years.

After a three months' probation, candidates, if they possess the necessary qualifications, are admitted to the Training School proper, receiving five dollars a month wherewith to secure textbooks, etc., the education they receive being considered their compensation. The right is reserved to dismiss pupils for any cause which may be deemed sufficient by the Sister Superior or Superintendent.

The course of training comprises three years of theory and practice. The clinical advantages are exceptional. The medical, surgical, orthopedic, gynecological, obstetrical, children's and dietetic departments give valuable practical experience. The nurses are taught the theory of nursing by class recitations and demonstrations by efficient Sister instructors. Supplementing this training is a course of lectures from the professors of the University of Maryland School of Medicine and College of Physicians and Surgeons, who are untiring in their efforts to keep the School abreast with modern scientific developments.

GRADUATES, 1922.

Name	Address
Sister M. Joan of Arc Wilson	Maryland
Mary C. Pottorff	Pennsylvania
Anne Belle Chenoweth	Maryland
Virginia Eleanor Geise	Maryland
Margaret Howard Dudley	Maryland
Elizabeth O'Donnell Streett	Maryland
Martha Elizabeth Flynn	Maryland
Anna Margaret Sheridan	Maryland
Catherine Frances Prenger	Maryland
Emma Garrison Burdette	Maryland
Mary Gladys Scherer	Maryland
Georgia Seymour Harness	West Virginia
Catherine Spalding Donavan	Maryland
Rosa Brunsmann	Maryland
Laura Augusta Greaver	Virginia
Helen Loretta Miller	Maryland
Burnetta Anna Heininger	Pennsylvania
Elizabeth Virginia Phelps	Maryland
Frances Boucher Donavan	Maryland
Mildred Kathryn Hoffman	West Virginia
Julia Buhrman	Pennsylvania
Mary Elizabeth Dempsey	Maryland
Elizabeth Giwendolyn Ruffin	Maryland
Helen Louise Blocker	Pennsylvania
Mary Sabina Breen	Ohio
Ruth Hallie Matthews	West Virginia
Eleanor Margaret Brubaker	Pennsylvania
Lillian Ann Smith	Pennsylvania
Helen Agnes Lyng	Maryland
Lillian Ann	Pennsylvania

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I give, devise and bequeath to the Regents of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....
 (Here state amount or describe property.)

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I give, devise and bequeath to the Trustees of the Endowment Fund of the University of Maryland, a corporation incorporated under the laws of the State of Maryland, for the benefit of the Faculty of Physic.....
 (Here state amount or describe property.)

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