

BALTIMORE COLLEGE  
OF DENTAL SURGERY

31th

ANNUAL CIRCULAR

1870-1871

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OF THE

BALTIMORE

College of Dental Surgery.



*SESSION 1870-'71.*

BALTIMORE:

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1870.

# UNIVERSITY OF MARYLAND, BALTIMORE.

Hon. JOHN PENDLETON KENNEDY, LL. D., President.

## FACULTY OF PHYSIC.

- NATHAN R. SMITH, M. D., Prof. of Clinical Surgery, and Surgery of the Skeleton.  
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GEORGE W. MILTENBERGER, M. D., Professor of Obstetrics.  
RICHARD MCSHERRY, M. D., Professor of Principles and Practice of Medicine.  
CHRISTOPHER JOHNSTON, M. D., Professor of Principles and Practice of Surgery.  
SAMUEL C. CHEW, M. D., Professor of Materia Medica and Therapeutics.  
FRANK DONALDSON, M. D., Professor of Physiology and Hygiene, and Clinical Professor of Diseases of the Throat, Lungs and Heart.  
WM. T. HOWARD, M. D., Professor of Diseases of Women and Children.  
JULIAN J. CHISOLM, M. D., Professor of Operative Surgery, and Clinical Professor of Diseases of the Eye and Ear.  
FRANCIS T. MILES, M. D., Professor of General, Descriptive, and Surgical Anatomy.  
M. J. DEROSSET, M. D., Adjunct to the Professor of Physiology.  
J. E. MITCHELL, M. D., Adjunct to the Professor of Diseases of Women and Children.  
L. McLANE TIFFANY, M. D., Demonstrator of Anatomy.

The FEES for the full course are \$125. For Matriculation, \$5. For Practical Anatomy, \$10.

The UNIVERSITY HOSPITAL, commonly known as the BALTIMORE INFIRMARY, is attached to the College, and is under the exclusive control of the Faculty. It is an admirable school for Clinical instruction in Medicine and Surgery. Lectures are given not only during the session, but during the entire year, by the various Professors at the bedside, and students have access to the wards at all times without any additional charge.

Inasmuch as it is also the Seamen's Hospital of the Port of Baltimore, students may here observe the diseases brought from various parts of the world, as well as indigenous diseases in the civil Wards.

Persons desiring further information may obtain circulars by making application to the Dean, or any member of the Faculty.

JULIAN J. CHISOLM, M. D., Dean of the Faculty.  
*Residence, 64 Franklin Street, Baltimore.*

1870-71

# FACULTY

OF

## *Baltimore College of Dental Surgery.*

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THOMAS E. BOND, A. M., M. D.

PROFESSOR OF PATHOLOGY AND THERAPEUTICS.

PHILIP H. AUSTEN, A. M., M. D., D. D. S.

PROFESSOR OF DENTAL SCIENCE AND MECHANISM

FERDINAND J. S. GORGAS, A. M., M. D., D. D. S.

PROFESSOR OF DENTAL SURGERY.

HENRY REGINALD NOEL, A. M., M. D.

PROFESSOR OF COMPARATIVE AND GENERAL PHYSIOLOGY, DIETETICS AND HYGIENE.

E. LLOYD HOWARD, A. M., M. D.

PROFESSOR OF HISTOLOGY, COMPARATIVE, DESCRIPTIVE AND PATHOLOGICAL ANATOMY.

M. J. DEROSSET, A. M., M. D., *L*

PROFESSOR OF CHEMISTRY.

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HENRY CLARK, D. D. S. *R*

DEMONSTRATOR OF OPERATIVE DENTISTRY.

T. SOLLERS WATERS, D. D. S.

DEMONSTRATOR OF MECHANICAL DENTISTRY.

THOMAS S. LATIMER, M. D.

DEMONSTRATOR OF ANATOMY.

ALONZO G. BOUTON, D. D. S.

LOUIS AUGSPATH, D. D. S.

HENRY GROVE ULRICH, D. D. S.

ASSISTANT DENTAL DEMONSTRATORS.

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F. J. S. GORGAS, Dean,

*No. 259 N. Eutaw St., Baltimore. Md.*

College Building, Cor. Hanover and Lombard Sts.

# Announcement.

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THE BALTIMORE COLLEGE OF DENTAL SURGERY, the oldest of Dental Colleges, was organized in 1839 under a charter granted by the General Assembly of Maryland.

Its aim has always been to elevate the standard of dental education, and keep up with the progress of dentistry by constantly adding to and modifying the course of study. The Faculty will therefore spare no exertion to deserve the high esteem in which this pioneer of dental colleges has always been held by the profession, and the honors which its alumni have received at the hands of the public both in this country and Europe.

The lectures are illustrated by anatomical preparations and models, drawings and diagrams; and the, already large, college collection has been increased by importation from Paris.

The college building is eligibly situated, and by its construction is better adapted to the purposes for which it is used than any other in the world.

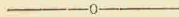
The INFIRMARY is kept open for practice upon patients during *the entire year*, under the charge of skillful Demonstrators, and students have the privilege of operating upon their own private patients during the session.

The number of Dental Demonstrators has been increased to five, and every facility is offered for gaining practical as well as theoretical knowledge.

The THIRTIETH Annual Session will commence on the 17th day of October, 1870, with daily practice in the INFIRMARY, demonstrations, and preliminary lectures.

The REGULAR LECTURES will commence on the 1st of November and continue until March, 1871, at which time the session ends.

# Circular.



NECESSITY FOR DENTAL COLLEGES.—A Dental College should offer to students of Dentistry what no Medical school can, consistently with its recognized duties, either promise or give; namely, that adjustment of the arts of Medicine and Surgery and of the sciences pertaining thereto which a wide experience has determined best adapted to the education of the DENTIST. The Medical curriculum, itself eclectic, embraces no complete science or art, but it selects so much of each, in proportion to its relative importance to the physician, as the term of studentship will permit. The DENTAL curriculum has much in common with the Medical; but it has also much which is as useless to a Physician or general Surgeon as it is essential to a Dentist.

DENTISTRY differs from every other branch of Surgery in the universal demand for its services. Also in the difficult and engrossing character of its specific duties, which makes a faithful and successful performance of them incompatible with the practice of general surgery or medicine. Hence the universal recognition of Dentistry as a DISTINCT PROFESSION, and the necessity for DENTAL COLLEGES.

It is essential to the true dignity of the Dental Profession, not only that it shall have its own schools of education adapted to its special requirements: but, also, that Dentists shall recognize this necessity.

The best men in the profession are uniting in a determination to refuse office tuition to all who will not pledge themselves to further qualification in a dental college, and the colleges are responding, by a united effort, to extend and improve their course of study. Such co-operation dispels the false idea of antagonism between collegiate and office instruction, and will result in making the *novi homines* of Dentistry, men of whom any profession might be proud.

OBJECT OF DENTAL COLLEGES.—Colleges are not tribunals to pass judgement on dental practitioners, nor examining committees to in-

quire into their relative merits. The oldest of dental schools (the Baltimore College) is too young to say to the majority of the profession, either that its teachings are essential to their knowledge of dentistry, or that its diploma will add to their professional standing. If honorary diplomas have encouraged such ideas, their effect has been pernicious, and it were better had they never been conferred.\* For the true work of colleges—THEIR ONLY LEGITIMATE WORK—is the education of the young student; not the approval, or censure of the old practitioner. The Baltimore College recognizes in the experienced dentist, one who is above injury or benefit by the withholding or conferring of its diplomas; yet, one whose co-operation is of the utmost importance in that work, which should be the first and last thought of every Dental Faculty—THE THOROUGH EDUCATION OF YOUNG DENTISTS. By such co-operation, veterans in dentistry prove themselves independent of college honors and titles, and at the same time, help to make the college diploma an indispensable “letter of recommendation.”

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## The Course of Study.

**PATHOLOGY AND THERAPEUTICS.**—From this chair will be taught the principles of general pathology, also the special pathology, diagnosis, and treatment of those diseases which involve the structures of the mouth and adjacent parts, and the local effect upon these organs of general, constitutional and hereditary disease. All the prominent articles of the materia medica will be accurately described, illustrated by specimens and botanical plates, and accompanied by their appropriate therapeutical indications.

**DENTAL SCIENCE AND MECHANISM.**—From this chair the student will be taught the true bearing of scientific culture upon Dental art; its absolute necessity, and the relative importance of the several sciences—the connection between dentistry and general medicine and surgery—and the mechanical, artistic and æsthetic elements of dentistry, which distinguish it from all other branches of the *Ars medendi*.

All details of dental mechanism will be explained and demon-

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\* The Baltimore College has not conferred the “honorary degree” since 1850, nor in future will any other diplomas be issued than those conferred at the Annual Commencements upon those students who have attended the college exercises.

strated. The tendency to reject older methods for untried novelties guarded against, whilst all discoveries and improvements, real or supposed, will be fully described. The lecturer's aim will be to make plain both the method and the rule; but, more than this, to give so clearly the scientific principles thereof, that the student shall be master to the rule and not the slave to a set of formulas. It will be shown that dental mechanism demands much more than perfect manual dexterity, and that the acquirement of even this dexterity involves the exercise of some of the highest mental faculties.

**PRACTICE OF DENTAL SURGERY.**—The lectures of this chair, will comprise all the practical details connected with the etiology, pathology and treatment of the morbid conditions and structural changes of the teeth, gums, alveolar processes, and maxillary sinus; the nature, prevention and treatment of salivary accretions, of exposed and diseased nervous pulp; extraction of teeth, and the use of anæsthetic agents for dental operations; materials used in filling teeth, such as plain and adhesive gold foil, crystal, shred and plastic gold, &c., and the various methods of introducing the same; form, manner of using and the art of tempering instruments; correction of irregularities of the dental arch; dental hygiene, &c. All the principles and rules laid down, will be put in practice by the students in the Infirmary, under the direction of the professor of this chair, and the constant daily supervision of the demonstrators of operative dentistry.

**CHEMISTRY.**—It will be the aim of the professor of this chair, to give an accurate general idea of the principles of the science, dwelling especially upon those points which are of peculiar interest to the dental student. The physiological relations of chemistry will be unfolded as far as practicable, leaving particular details to the Professor of Physiology. Careful attention will be paid to the chemistry of the metals, and of the porcelain materials used in Dentistry; also to the vital chemistry of anæsthetics. A subject so extensive as organic chemistry, can of course be only partially considered. But the special chemistry of the mouth, the stomach and the intestinal tube will be fully treated. The course will be, as far as practicable, one of applied chemistry.

**ANATOMY.**—This science will be treated in its application to Dental Surgery. Its subdivisions, microscopical and comparative, will receive appropriate attention, together with the chief object of the course the study of Human Regional Anatomy. Thus, a general survey of



the subject will be taken, sufficient to enable the student to acquire a comprehensive knowledge of the science. The convenient and well arranged Dissecting Rooms in the College Building, afford ample opportunity for the study of Practical Anatomy, of which it is hoped every student will avail himself.

**PHYSIOLOGY.**—The rapid advance of Dental Surgery, necessitates a division in the chair of Anatomy and Physiology. This necessity was promptly met by the Faculty several years ago, and a distinct chair and professorship assigned to Physiology. The course of lectures will embrace to a certain extent, Anatomy, general, comparative and microscopical, so that the physical character of organs, and the physical principles involved in their action may be fresh in the memory of the student at the time of description of their functions and their physiological relations. The Physiology of the Dental organs will be very distinctly set forth. Special attention will also be paid to the nervous system. Digestion, normal and abnormal, will be thoroughly investigated, and the importance of oral digestion clearly defined, as being the first step in that process upon the perfection of which the remaining acts mainly depend. Lectures will be given on Hygiene and Dietetics. The lectures on Anatomy, Physiology and Chemistry are as thorough as in any medical college, and special attention is also paid to the Microscopical Anatomy of the dental structures.

**DEPARTMENT OF PRACTICE.**—The Faculty have spared no pains to make arrangements for the acquirement of practical skill commensurate with the importance of this branch of tuition. The Infirmary is open during the entire year, and the number of operating chairs in this department has been largely increased. At the commencement of the session the students are divided into classes, each occupying the room during the Infirmary hours of the day.

In the laboratory each student has his separate desk and work-bench assigned to him, where his tools can be kept under lock and key. Practical pieces are given out in the order of matriculation. Students are also required to make experimental pieces on rubber, silver or brass, Weston's metal, &c. Each student is expected to provide his own instruments with the exception of extracting forceps, lathes and vulcanizers. Students will *not* be permitted to remain in the operating room or laboratory during the hours of lectures. All expenses attending operations upon college patients are borne by the College. Arrangements have been made to ensure a great increase in the number of patients for actual practice in the Infirmary

PRACTICAL ANATOMY.—THE DISSECTING ROOMS in the college building are superior to those in the majority of medical colleges, and contain every facility for a thorough study of the human body. Arrangements have been made by which every student can dissect if he desires to do so, the supply of material being ample.

## Terms of Graduation, Statutes, &c.

Each candidate for graduation must present himself for examination before the Faculty, upon all the subjects taught in the college. Prior to such examination, he must prepare a written thesis describing operations upon the teeth, such as the history, symptoms and treatment of special diseases of these organs, and show specimens of operations upon the natural organs; also, he must have attended two full courses of lectures in this College and be at least twenty-one years of age.

The following will be accepted as equivalent to one course in this College:—One course in any reputable Dental College.—Graduation in a reputable Medical College, prior to matriculation at this College, and one year's Dental pupilage. Five year's Dental Practice including regular pupilage. An acceptable examination on entering College upon Anatomy, Physiology, Inorganic Chemistry and Practical Dentistry, including a regular course of pupilage and several years practice. Certificates will be required as to the length of pupilage and practice. The Student meeting either of the above requirements will have the privilege of presenting himself as a candidate for graduation at the end of but one course of lectures.

*Graduates of the Baltimore College of Dental Surgery*, are required to attend *but one session* in the Washington University of Medicine in this city before presenting themselves as candidates for the degree of Doctor of Medicine.

*Punctual attendance upon lectures and other college duties, respect to instructors, and a strict observance of all rules will be required from every student. Every student is required to operate in the Infirmary and Laboratory whenever called upon by the Demonstrators, unless excused by a special vote of the Faculty. No graduate will be excused from attendance at the Annual Commencement, unless by special vote of the Faculty.*

The fees each session are, Professors' Fees, \$100; Demonstrators' Fees, \$20; Matriculation Fee, (paid only once,) \$5; Diploma Fee,

\$30; Dissecting Ticket, (optional,) \$5. *These fees must be paid on matriculating* All tickets will be issued by the DEAN, to whom students are requested to report themselves immediately upon their arrival in the city.

The instruments, mechanical and operative, and text-books which are necessary for use during the session, will cost about \$50.

Board may be procured at from four to six dollars per week, according to quality. Students board at private boarding houses, the quality and terms of which are as good and reasonable as in any other city.

From the fact that the Baltimore College furnishes all the material, used for practice upon Infirmary patients, the expenses are no greater than at any other Dental College

The Faculty would respectfully suggest to the friends of the College that they can greatly aid the cause of education by contributions to the Museum, for which due credit will be given and the name of the donor attached to the contribution. The present P. O. address of students and graduates, and all friends of the College, is requested.

The Alumni are cordially invited to attend the annual commencement exercises.

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## Text-Books.

NECESSARY DURING THE SESSION.—Harris' Principles and Practice of Dental Surgery, Bond's Dental Medicine, Gray's Anatomy, Dalton's Physiology, Richardson's Mechanical Dentistry, Taft's Operative Dentistry, Fowne's Chemistry, Harris' Medical and Dental Dictionary, new edition.

THE FOLLOWING ARE ESSENTIAL IN FORMING A DENTAL LIBRARY—Garretson on Diseases of Mouth, Jaws, &c., Tome's Dental Surgery, Tomes Dental Physiology, Heath on the Jaws, Kirk's Physiology, Wood's or Biddle's Materia Medica and Therapeutics, Druit's or Erichsen's Surgery, U. S. Dispensatory, Aitken's or Flint's Practice of Medicine, Smith & Neill's Compend, Owen on the Skeleton and Teeth, Brandt & Taylor's Chemistry, Beale on the Microscope, Tyson on Cell Doctrine

F. J. S. GORGAS,

DEAN OF THE FACULTY

No. 259 North Eutaw Street, Baltimore, Md.

# Graduates.

1870.

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LOUIS AUGSPATH,	Russia.
WILLIAM ROBERT BALLARD, JR., D.D.S.	England.
WILLIAM HENRY BENNETT,	Tennessee.
CLINTON THOMAS BROCKETT,	Maryland.
BENJAMIN HOLLIDAY CATCHING,	Mississippi.
ALEXANDER DUNNINGTON COBEY,	Maryland.
ABRAHAM F. COX,	Virginia.
JOHN HENRY COYLE,	Georgia.
KURWIN L. EISENHART,	Pennsylvania.
EDWARD STABLER FAWCETT,	Virginia.
HILLARY EDGAR HARDEY,	Maryland.
LOUIS SUMMERFIELD LEDBETTER,	Georgia.
JAMES HENRY LUDWIG, M. D.,	Maryland.
JONATHAN MAGRUDER,	Maryland.
JOHN WILLIAM MENG,	Missouri.
EBER RICE PERROW,	Virginia.
OSCAR ERNST MORITZ SALOMON,	North Germany.
THOMAS JAMES SPECK,	Tennessee.
DAVID FRANKLIN SWENGEL,	Pennsylvania.
HARRY GROVE ULRICH,	Pennsylvania.
ANDREW PARK WHITE,	Tennessee.
JOHN THOMPSON WILSON,	Virginia.
THRUSTON WOLFE,	Virginia.
W. TRYON YARBROUGH,	Mississippi.

# Matriculants,

SESSION 1869'70.

EDWARD WILLIAM ANDERSON, . . . . .	Virginia.
SILAS PHILIP APPLEMAN, . . . . .	Maryland.
LOUIS AUGSPATH, . . . . .	Russia.
WILLIAM ROBERT BALLARD, D. D. S. . . . .	England.
WILLIAM HENRY BENNETT, . . . . .	Tennessee.
CLINTON THOMAS BROCKETT, . . . . .	Maryland.
MINTERN JAMES BROWN, . . . . .	D. Columbia.
JOHN LEWIS BUCHANAN, . . . . .	Mississippi.
THOMAS H. CALDWELL, . . . . .	West Virginia.
BENJAMIN HOLLIDAY CATCHING, . . . . .	Mississippi.
WILLIAM RIDLEY CLIFTON, . . . . .	North Carolina.
ALEX. DUNNINGTON COBEY, . . . . .	Maryland.
BERRY W. COX, . . . . .	Tennessee.
ABRAHAM F. COX, . . . . .	Virginia.
JOHN HENRY COYLE, . . . . .	Georgia.
JOHN H. DARRELL, . . . . .	D. Columbia.
KURWIN L. EISENHART, . . . . .	Pennsylvania.
EDWARD STABLER FAWCETT, . . . . .	Virginia.
JAMES WILLIAM FOOTE, . . . . .	Virginia.
WILLIAM SAMUEL GOODNER, . . . . .	Alabama.
JOHN EADES GULLETTE, . . . . .	Alabama.
HILLARY EDGAR HARDEY, . . . . .	Maryland.
FRANK LEWIS HARRIS, . . . . .	Virginia.
ROBERT G. HUNTER, . . . . .	Tennessee.
S. HOMER HENKLE, D. D. S., . . . . .	Virginia.
GEORGE ROBERT JEFFERSON, . . . . .	Virginia.
ROBT. EDWARD RANDOLPH KING, . . . . .	North Carolina.
LOUIS SUMMERFIELD LEDBETTER, . . . . .	Georgia.
JAMES HENRY LUDWIG, M. D. . . . .	Maryland.
JONATHAN MAGRUDER, . . . . .	Maryland.
HENRY LEWIES MASSAMORE, . . . . .	Maryland.
JOHN WILLIAM MENG, . . . . .	Missouri.
TURNER MILAM, . . . . .	Texas.

OLIVER JUDSON MILLER, . . . . .	Maryland.
THOMAS HENSON PARRAMORE, . . . . .	Virginia.
EBER RICE PERROW, . . . . .	Virginia.
OSCAR E. M. SALOMON, . . . . .	North Germany.
GEORGE J. SPRINKEL, D. D. S., . . . . .	Virginia.
E. AUGUSTUS SAMPLE, . . . . .	North Carolina.
JAMES HOSEA SHERWOOD, . . . . .	Maryland.
THOMAS JAMES SPECK, . . . . .	Tennessee.
EDWARD HOPKINSON STELLE, . . . . .	D. Columbia.
DAVID FRANKLIN SWENGEL, . . . . .	Pennsylvania.
JOHN SHROPSHIRE THOMPSON, . . . . .	South Carolina.
WILLIAM ROSCOE TURK, . . . . .	Virginia.
HENRY GROVE ULRICH, . . . . .	Pennsylvania.
JAMES W. VERNON, . . . . .	Virginia.
THOMAS JACKSON WALL, . . . . .	Georgia.
ANDREW PARK WHITE, . . . . .	Tennessee.
WILLIAM T. WILKINS, . . . . .	North Carolina.
THOMAS L. WILLIS, . . . . .	Texas.
JOHN THOMPSON WILSON, . . . . .	Virginia.
THRUSTON WOLFE, . . . . .	Virginia.
LUTHER WESLEY WORSHAM, . . . . .	Virginia.
W. TRYON YARBROUGH, . . . . .	Mississippi.

# WASHINGTON UNIVERSITY

MEDICAL DEPARTMENT,  
BALTIMORE, MD.

The Regular Annual Sessions commence on the first Monday in October of each year, and continue until the 22d day of February following.

## *FACULTY.*

Rev. THOMAS E. BOND, M. D. President.

GEO. C. M. ROBERTS, M. D., LL. D., Emeritus Professor of Obstetrics and Diseases of Women and Children.

EDWARD WARREN, M. D., Professor of Surgery.

H. L. BYRD, M. D., Professor of Obstetrics.

JOS. E. CLAGETT, M. D., Professor of Materia Medica.

JNO. F. MONMONIER, M. D., Professor of Physiology.

MARTIN T. SCOTT, M. D., Professor of Diseases of Women and Children.

J. J. MOORMAN, M. D., Professor of Medical Jurisprudence and Hygiene.

CHARLES W. CHANCELLOR, M. D., Professor of Descriptive and Surgical Anatomy.

JAS. E. LINDSAY, M. D., Professor of Chemistry.

JOHN R. PAGE, M. D., Professor of Principles and Practice of Medicine.

GEORGE REULING, M. D., Professor of Ophthalmic and Aural Surgery.

ALFRED H. POWELL, M. D., Demonstrator of Anatomy.

The CLINICAL ADVANTAGES presented by this Institution, are particularly fine. In addition to a Hospital EXCLUSIVELY under the control of the Faculty, there is a FREE Dispensary connected with the College which affords Clinical material in great abundance.

A limited number of *Beneficiary Students* from the late slave-holding states is annually received; *Precedence being given to wounded and disabled soldiers.*

FEES. Matriculation \$5. Dissection \$10. Professors' \$120. Graduation \$20. Beneficiary (each Session) \$50.

For Circulars or any information in reference to the College address.

CHARLES W. CHANCELLOR, M. D.

Dean of the Faculty.

P. S. Excellent board can be obtained at from \$4 to \$6 per week.



*N. E. CORNER OF LOMBARD & HANOVER STREETS.*

