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NASHVILLE, TENNESSEE



MEDICAL DEPARTMENT

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REGISTER

OF

VANDERBILT UNIVERSITY

FOR 1912-1913

ANNOUNCEMENT

FOR 1913-1914

MEDICAL DEPARTMENT

NASHVILLE, TENN.
PRINTED FOR THE UNIVERSITY
1913

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ANNOUNCEMENT

FOR 1911

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*The term of office expires at the annual meeting of the Board of Trust in the year indicated.

to the terms of this proposition \$200,000 will be used in erecting and equipping new laboratories, and the income of \$800,000 will be used for current expenses of the department. The immediate management of the educational and scientific work of the department will be put in the hands of a governing board of seven members.

The terms of this proposition have been accepted by the Trustees, and it is expected that further steps to carry out the details will be promptly taken.

The Governing Board of the Medical Department has been appointed and is as follows:

Chancellor J. H. Kirkland, Chairman; Mr. W. R. Cole, Dr. Henry S. Pritchett, Dr. E. O. Jordan, Dr. Wm. Henry Howell, Hon. Joseph E. Washington, President John W. Thomas, Jr.

ORGANIZATION.

The University is organized with seven distinct departments, as follows:

- I. THE ACADEMIC DEPARTMENT, embracing Philosophy, Science, and Literature.
- II. THE BIBLICAL DEPARTMENT.
- III. THE LAW DEPARTMENT.
- IV. THE MEDICAL DEPARTMENT.
- V. THE PHARMACEUTICAL DEPARTMENT.
- VI. THE DENTAL DEPARTMENT.
- VII. THE ENGINEERING DEPARTMENT.

Each of these departments has its Faculty of Instruction, charged with its special management.

UNIVERSITY OR WEST CAMPUS.

The West Campus is in the western part of the City of Nashville. The grounds comprise seventy acres, and from their elevation—on a level with Capitol Hill—it affords fine views on every side, and furnish the full conditions of health. The campus is lighted by electricity, and improved with drives and walks, and about a hundred and fifty varieties of shade trees.

On the campus are located about thirty buildings, consisting of the College Hall, Science Hall, Mechanical Hall, Wesley Hall,

Kissam Hall, Furman Hall, Observatory, Gymnasium, Dormitories, Y. M. C. A. Building, and professors' residences.

Instruction in the Academic, Biblical, Pharmaceutical, and Engineering Departments is given in the buildings on the west campus. The Law Department occupies a handsome building on Fourth Avenue, North.

The Gymnasium, situated on the University or West Campus, is a brick building, 90x60 feet, substantial, and of handsome architectural design. It has a basement, containing dressing and bath rooms, and rooms for special exercises; a principal floor, for general exercise and training, and a gallery, extending around the interior of the building, in which is situated a running track. It is equipped with all modern apparatus.

An athletic field is on the West Campus and is committed to the care of the Vanderbilt Athletic Association.

The authorities of the University, in recognition of the importance of regular and systematic physical exercise during the formative period of student life, have placed the Gymnasium on the West Campus under the charge of a director who has had experience in physical training. The Gymnasium is open to all members of the University for voluntary exercise.

ALUMNI ASSOCIATION.

This Association was organized at Commencement in 1879.

Any person who has taken a degree in the University may become a member of the Association on payment of the initiation fee of one dollar.

MYLES P. O'CONNOR, *Secretary.*

SOUTH CAMPUS.

The University has purchased the spacious and beautiful campus formerly occupied by the Peabody College for Teachers and the University of Nashville, and the buildings have been completely remodeled and one new building added to prepare them for the special uses to which they are now put.

The Medical Department and Dental Department buildings are situated on this campus comprising sixteen acres in South Nashville, now known as the South Campus. The buildings are grouped in this beautiful park, which is high and healthful, is covered with trees and bounded by four broad avenues. This campus is but two blocks from the Nashville City Hospital.

Central Hall is a beautiful stone building especially adapted for lectures and laboratory work. This building contains the heating plant which supplies heat to all of the buildings on the campus. It also contains the Chemical, Physiological and Pharmaceutical Laboratories.

The other buildings have been converted into laboratories, lecture rooms, class rooms and demonstration rooms. All of the laboratories have been remodeled and many of them are new.

A commodious office and administration building is centrally located on the South Campus, and a book store, library, reading room, Y. M. C. A. rooms, recreation hall, and athletic field are also on the ground.

THE GALLOWAY MEMORIAL HOSPITAL.

Vanderbilt University has given to the Board of Trustees of the Galloway Memorial Hospital a sight for the institution on the South-west corner of the South Campus consisting of three acres. This hospital is to be erected in units of the most modern construction and plan and is to cost \$500,000 when complete. Work on the hospital has begun according to detail plans prepared by Messrs. Hannaford and Sons who are the architects of the great New General Hospital of Cincinnati. The work of building two of the units is well underway and it is expected that these units will be ready for use during the Winter of 1914.

The Medical Department of Vanderbilt University will have the exclusive clinical privileges of this hospital.

VANDERBILT HOSPITAL.

The Vanderbilt Hospital, accommodating 100 beds, all used for clinical purposes, is sustained by the Medical Department. The first floor is used for the large outdoor department and dispensary. It is provided with an ample number of consulting and examining rooms and a large surgical amphitheatre with every convenience known to modern surgery.

CITY HOSPITAL.

The City Hospital with its ample material will furnish daily clinics and bed-side instruction for the third and fourth year

classes. This hospital is only two blocks from the South Campus.

VANDERBILT MEDICAL LIBRARY.

One of the recent additions is the unusually complete medical library which was donated to the University by the Nashville Academy of Medicine. The library is open to the students of all classes daily and contains more than four thousand volumes, numerous pamphlets and complete files of all the leading periodicals.

The librarian is kept on duty throughout the day and the efficiency of this very valuable library is enhanced by a complete system of double indexing enabling the student to find his subject matter with the least possible delay. It occupies a commodious and well lighted room and students are urged to make use of it free of any cost whatsoever.

Y. M. C. A.

This organization is now the best recognized activity in our student life, having the largest and most representative membership of any student organization in College. The Association stands ready to receive all of its old friends back and to welcome all new students, seeking to provide a channel for active Christian work by and for the students. The fee is \$2.00 per year. This amount will be accepted by the City Association as paid on a student's ticket, which entitles the holder to the use of baths, gymnasium, swimming pool, etc.

Bible and Mission Study Classes are held in students' rooms. Devotional meetings held every Friday night in the College and one platform address a month by some prominent speaker have proven most helpful. A reading room, with the best medical and literary magazines, is open to all the College students.

The Secretary of the Y. M. C. A. is salaried, and devotes his entire time to this work in the Medical and Dental Departments.

PHYSICAL TRAINING.

While the Gymnasium and Athletic Field of the West Campus are open to all students of the University, special provision has been made on the South Campus for the students of the Medical and Dental Departments.

The athletic equipment includes a large recreation ground

for all kinds of outdoor sports and a commodious building supplied with baths, barber shop, etc.

HOMES FOR STUDENTS.

Students are allowed to select their own homes in families approved by the Chancellor. There are good boarding houses near the South Campus. Whenever a change is made in the place of boarding, the student must report the same to the Secretary of the Faculty. Students so desiring, can live in the dormitories of the University or West Campus.

MEDICAL DEPARTMENT

The Medical Department of Vanderbilt University alone occupies the field in Nashville and Middle Tennessee. Many of the leading men formerly connected with the Medical Departments of the Universities of Nashville and Tennessee are now in the faculty of Vanderbilt University.

The high character of instruction which has placed Vanderbilt University in the front rank of institutions teaching medicine in the United States will not only be continued, but will be improved, owing to the additions to the faculty and to the undivided use of the clinical material which will be at our disposal, as well as to the new and much larger facilities for instruction which have been provided.

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Lecturer on Venereal Diseases.

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13

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JOHN OVERTON, M.D.,
Assistant to Chair of Gynecology.

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First Assistant Demonstrator of Anatomy.

STANLEY R. TEACHOUT, M.D.,
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Assistant Demonstrator of Anatomy.

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Assistant Demonstrator of Anatomy, and Assistant to Chair Diseases
of Children.

L. W. EDWARDS, M.D.,
Assistant Demonstrator of Anatomy and Instructor on Bandaging.

JACK WITHERSPOON, M. D.,
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DABNEY MINOR, M.D.,
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Assistant in Pharmacology.

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COMMITTEE ON CATALOGUE.
PROFS. PRICE AND BARR.

LIBRARY COMMITTEE.
PROFS. CALDWELL, HAMBLETON AND DIXON.

BEGINNING OF SESSION.

The session will begin on Thursday, September 18, 1913. and close on Wednesday, June 14, 1914.

All students should present themselves punctually at the opening of the session. The loss of a few lectures at the beginning of the session may prove to be of serious embarrassment to subsequent progress.

COURSE OF STUDY.

The course of study extends through four regular sessions, each being nine months in length. The course is strictly graded so that the sequence of subjects is logical; thus the student

loses not time through needless repetition, and is not introduced into subjects before he is prepared to derive the greatest benefits from the instruction.

The session is divided into two terms. The first beginning with the college year and the second beginning Feb. 2nd, 1914.

METHODS OF TEACHING.

The method of teaching in the class room is by didactic lectures and recitations. The recitation feature, supplemented by incidental lecturing and discussion, is emphasized. Great stress is laid on personal instruction in the clinics, laboratories, and demonstration rooms. Bed-side instruction is given the advanced classes. The clinics are carried on during the entire year. Students are required to attend all exercises of the classes to which they have been admitted.

EXAMINATION.

Each class will be examined at the middle and end of the session. A student falling below the required grade in any subject may be permitted to make up the deficiency at the beginning of the next session by satisfactorily passing a special examination in the subject in which he is deficient, provided his grade is over 55 per cent, otherwise, he will be required to repeat the work next year.

A student making a grade of less than 55 per cent at mid-session examinations on any subject not finished at that examination will be required to take that subject again the next year.

If a student fails to satisfactorily complete his work in three or more subjects in any year, he shall take the whole year's work over.

Any student whose grade falls below 55 per cent on any three subjects at mid-session examinations, will be required to withdraw from school until the beginning of the next session.

Credit for a full course of instruction will not be given unless the student remains throughout the session and successfully passes all the examination in the subjects required in the class for which he desires credit.

Examinations during the lecture hour may be held at any time, at the option of the professor.

A candidate for graduation failing to pass in not more than two subjects will be granted a second examination, provided the average grade of his first examination is not less than sixty-five per cent.

Entrance examinations for the first-year class will be held September 15, 16, and 17 in College Hall on the West Campus. Those applying for advanced standing and for the removal of conditions, will be examined September 19-20-22 and 23, (see calendar, page 4) on the South Campus.

REQUIREMENTS FOR ADMISSION.

All candidates for admission must be of good moral character, and not less than eighteen years of age.

Each student applying for admission without condition must possess scholastic attainments equal to 14 units.

The National Conference Committee on Standards of Colleges and Secondary Schools, at its meeting in 1909, recommended the following statement of what should be considered a unit:

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work.

This statement is designed to afford a standard of measurement for the work done in secondary schools. It takes the four-year high school course as a basis, and assumes that the length of the school year is from thirty-six to forty weeks, that a period is from forty to sixty minutes in length, and that the study is pursued for four or five periods a week; but, under ordinary circumstances, a satisfactory year's work in any subject cannot be accomplished in less than one hundred and twenty, sixty-minute periods or their equivalent. Schools organized on any other than a four-year basis can, nevertheless, estimate their work in terms of this unit.

Should the applicant for admission not possess a diploma of graduation from some literary or scientific institution of learning, or from some recognized high school, he may present a certificate showing the subjects and text-books he has studied, with the time spent on each. His work will be passed on, and if deficient he must make up such deficiency by examination before entrance.

Application blanks for admission will be furnished by the Secretary on request. They should be filled out as early as possible and the candidate for admission will be notified promptly of any deficiencies in his record.

After January 1, 1914, the requirements for admission will be fourteen Carnegie units, and in addition one year of college work, including not less than eight semester hours of Physics, Chemistry and Biology, also one modern language, either French or German.

ADVANCED STANDING.

A student who has attended one or more courses at a medical college, which is a member of the Association of American Medical Colleges, desiring to enter this institution, will be given credit, provided he presents a statement from the Dean of the College from which he desires to withdraw, certifying to his moral qualification and to the exact work he has done in said College.

No advanced standing is given to those having academic degrees, nor to graduates in Pharmacy or Denistry.

COURSE OF INSTRUCTION.

The rapid progress of medicine and the general demand for higher medical attainments, together with the experience of the Faculty, have conclusively proven the necessity for a change in the older methods of teaching. No course of instruction by didactic lectures, however learned, can take the place of laboratory training and clinical experience at the bedside, where students are brought into close personal relations with each professor and instructor, thereby inciting them to active personal work and a higher degree of proficiency. Class-room recitations are held daily, and together with laboratory and clinical work, will largely replace didactic lectures, though such lectures are retained as best in some courses, and as essential, to some degree, in all. These class-room quizzes are kept up through the entire course, but are made an especial feature in the first and second years, when students are learning the fundamental principles of medicine. Written examinations are held at the end of each term.

The facilities for laboratory instruction are especially complete in themselves, containing all the equipment in apparatus and material that is needed for thorough teaching.

Instruction in post-mortem examination is given to the third and fourth year classes, as a part of the course in pathology.

The advantages offered for clinical instruction, which is such an important feature in the course, are excellent, both at the large City Hospital and at the Vanderbilt Hospital, Clinic and Dispensary.

Daily clinics both medical and surgical are held at each hospital. In addition to this clinical instruction, each advanced student is required to examine and treat all kinds of diseases under the personal supervision of the professor or his assistant.

Advanced students also have cases from the medical, surgical, and obstetrical clinics assigned to their care for home treatment, under the direction of instructors.

In addition to this, each senior student serves as interne in the Vanderbilt Hospital, having associated with him a junior student, in the practical work of making clinical examinations of blood, sputum, urine, and other secretions, as they may be demanded in individual cases. They also compile the histories of all cases, as they come into the Vanderbilt Hospital. These student internes have practical charge, under proper supervision, of the Out-door G. U. Clinic, where they learn the use of instruments and methods of treatment and dressing. During this service as student internes, each student is instructed in the best method of administering various anæsthetics, both general and local.

The fourth-year students are assigned the care of outdoor maternity cases where two students have complete charge under the direction of the professor.

The course of study is strictly a graded one, of four years' duration, each class being taught separately.

All quizzes will be conducted in connection with the regular course of instruction, and no private quizzes will be necessary.

SURGERY AND CLINICAL SURGERY.

Professors: DRs. EVE, BARR, MCGANNON, W. A. BRYAN and HAGGARD.

Associate Professors: DR. EVE, JR., DR. McCABE (in City Hospital.)

Lecturer on Orthopedic Surgery: DR. BILLINGTON.

Lecturer on Rectal Surgery: DR. PICKENS.

Assistants: DR. EDWARDS, DR. WILLIAMSON, DR. KING.

Anæsthetist: DR. MARR.

The University has seen fit to separate the chair in such a manner as to give every advantage to both the junior and senior students. The course embraces general surgery in its entirety and is so divided that the junior students are drilled in the principles of surgery; and the senior students are drilled in the practice of surgery including bed-side work in small sections where, under the supervision of the professor or his assistant, they are required to take histories, examine patients, make diagnoses, etc. The Vanderbilt Hospital furnishes an abundance of material upon which to demonstrate anæsthesia, the application of surgical dressings and the management of emergency surgical cases. Especial attention to the preparation of third-year students for a larger comprehension of this department is begun early in their course and such subjects as surgical pathology with demonstration of pathological material; surgical technique; surgical materials; case taking, etc., are duly stressed in the beginning of the term, while in the latter half they are given surgical anatomy contemporaneously with a comprehensive course on the various surgical diseases. The junior students are required to attend all general clinics in this department and the course is so arranged that special clinics to junior students illustrating the subject under consideration are held at frequent intervals throughout the year.

The work in the fourth year is entirely practical, beginning with laboratory work.

A thorough course in operative surgery upon the cadaver is given, in which the student is required to perform ligations, amputations, etc., with a comprehensive course on surgery of special organs.

The members of this class are required to examine patients

both in the hospital and dispensary, to administer anesthetics under the guidance of a trained anesthetist; to assist in minor and major surgical operations performed in general or special clinics; to follow the after treatment of operated cases and serve the allotted time as internes in the Vanderbilt Hospital.

The professors or their assistants will frequently demonstrate the rarer operations upon the lower animals.

The course in Orthopedic Surgery consists of one didactic lecture a week for one-half of the third year with clinics and section work in the Vanderbilt Hospital and Dispensary for both third and fourth year students.

PRINCIPLES AND PRACTICE OF MEDICINE, AND CLINICAL MEDICINE.

Professors: DR. J. A. WITHERSPOON and DR. WITT.

Associate Professor: DR. DIXON.

Assistant Professor: DR. O. N. BRYAN.

Instructors: DR. SMITH, and DR. HARRIS.

Assistants: DR. DABNEY, DR. JACK WITHERSPOON, and DR. MANIER.

Instruction in internal medicine extends over three years, and an effort is made to maintain a proper balance between didactic and clinical work. The constant use of standard textbooks is insisted on, and students are taught the art of special study of monographs and extensive treatises. The established facts of medicine, both scientific and practical, are thoroughly drilled into the student, and he is encouraged to have an open mind towards unsettled problems, and the nature of these problems is plainly stated to him.

SOPHOMORE YEAR.—One hour a week for the entire year, or two hours a week for the half year. This course is conducted by Dr. Dabney, and is devoted almost entirely to Normal Physical Diagnosis. It is both didactic and clinical. Students are required to pass examinations on this course.

JUNIOR YEAR.—The systematic study of internal medicine is taken up in this year. Dr. Witt gives three hours a week to class room work to the entire class. This is almost altogether didactic, and covers approximately half the subjects to be taught, including the acute infectious diseases and diseases of

the respiratory system. Definite lessons are assigned in Osler's Practice of Medicine, and are quizzed on at each hour. About one-third of the hour is devoted to lecturing on such points as seem to need special elucidation. Dr. Witt also conducts two clinics a week at which one-half of the class is present. Dr. Harris and Dr. Smith conduct similar clinic hours, two every week each.

Dr. Smith and Dr. Manier conduct dispensary classes in the outdoor department of the Vanderbilt Hospital. This work is entirely practical, and is done by the student under the supervision of an instructor. It consists of history taking, making such examinations, physical and laboratory, as are necessary to a diagnosis—four hours a week for one-half of the year.

Dr. Dixon also conducts a systematic course in Physical Diagnosis. His work is largely clinical and extends over the entire year—two hours a week.

Altogether the student of the junior year has about eleven hours a week on medicine.

SENIOR YEAR.—Instruction in internal medicine in the senior year is largely clinical. Dr. Witherspoon gives three didactic lectures a week, taking up such subjects as are not covered in the third year, including chiefly the diseases of the alimentary system, the cardio-vascular system and the kidney. A part of this time is devoted to quizzing on the subject matter of previous lectures. Dr. Witherspoon also conducts two clinics a week to the entire class. For this clinic cases are prepared by a section of five students, who take the history, make physical and laboratory examinations, and present the case in the professor's presence. They are then quizzed by the students and the professor and the treatment is outlined. Similar clinics are also conducted three times a week by Drs. Dixon, Bryan, Dabney, Harris, and Jones. Many clinical cases are brought before the class from time to time, so that their progress may be observed. In addition to these clinics there is section work in the wards of the Vanderbilt Hospital and City Hospital, four hours a week throughout the year. Section work is also done in the college dispensary, five hours a week for a part of the year. In connection with the outdoor dispensary there is a well equipped clinical laboratory where students do the necessary laboratory

work for the outdoor patients under an instructor. The dispensary and ward work is in charge of Drs. Dixon, Harris, Dabney, Bryan, and Jack Witherspoon.

About eleven hours a week are given to the senior class in internal medicine.

DISEASES OF THE EYE, EAR, NOSE, AND THROAT.

Professors: DR. PRICE and DR. WOOD.

Instructor: DR. MOORE.

Assistants: DR. MOORE, DR. ROBERTS, DR. CAYCE, and DR. MINOR.

The junior students receive instruction in diseases of the ear, nose, and throat, and the senior students instruction in diseases of the eye.

To the juniors is given one lecture and one clinic each week. In the lectures all of the more common diseases of the ear, nose, and throat are explained, and in the clinics the methods of diagnosis and treatment are carefully and fully demonstrated. As the clinical material is abundant, small sections of the class have shown to them the details of the various operations performed upon these organs. The class is divided into sections, each section serving its time in the outdoor dispensary at the Vanderbilt Hospital where the students are taught the use of instrumental methods of examination and are required to make, under the supervision of the demonstrator, a diagnosis and to outline the treatment of these diseases. In addition, there is given on the cadaver an operative course. For this purpose the class is divided into sections of eight, and each section is taken to the anatomical laboratory where the surgical anatomy of the ear, nose, and throat is fully demonstrated upon carefully prepared specimens. Following this the various operative procedures are demonstrated in detail, so that the student acquires an accurate knowledge of surgical technique such as could not otherwise be had. Special attention is given to the various mastoid operations and to the radical operations upon the accessory sinuses of the nose.

To the senior class is given two lectures each week on the anatomy, physiology, methods of examination, and diseases of the eye for one-half year. In this course emphasis is laid upon those diseases most frequently coming under the observation

and care of the general practitioner. In this department one clinic is held at the hospital each week before the entire class. In the outdoor department of the Vanderbilt Hospital each student is taught the use of instrumental methods of examination and is required to make diagnoses; the object being to give the student a practical working knowledge of this subject.

The objects aimed at in this department are to prepare physicians to diagnose and treat the more common diseases of these organs, and also to be able to recognize conditions dependent upon constitutional disorders.

OBSTETRICS.

Professors: DR. ALTMAN, DR. TUCKER, and DR. HOLLABAUGH.

Assistants: DR. TEACHOUT, DR. BAUMAN, and DR. SAYERS.

Instruction in Obstetrics is given to the third-year and fourth-year students.

THIRD YEAR: Professor, DR. HOLLABAUGH. Thirty-two hours.

It embraces lectures, recitations, demonstrations by wall plates, charts, and the manikin, and includes a certain amount of embryology, together with Obstetric Anatomy and Physiology, the diagnosis, mechanism and management of normal labor and the normal puerperium.

FOURTH YEAR: Professors, DR. ALTMAN and DR. TUCKER. Sixty-four hours, besides clinic and bedside work.

This class is taught by lectures, recitations, manikins, and bedside work, and includes the pathology of pregnancy, labor, and the puerperium, obstetric surgery as well as fetal pathology.

In addition to the clinical advantages furnished in the City Hospital, bedside instruction is given in the Vanderbilt Hospital, where pelvimetry and the ante-partum examinations are given in sections. Especial attention is given to the large outdoor clinic where students are assigned to cases under the supervision of the professor or assistants and a trained nurse. In this way each member of the class will have an opportunity of acquiring practical experience in obstetric work.

GYNECOLOGY.

Professor: DR. BURCH.

Associate Professor: DR. TIGERT.

Demonstrator: DR. OVERTON.

Assistant: DR. REYNOLDS.

The instruction in this course is taken up during the third and fourth years. Didactic lectures to the third year students are given by Dr. Tigert on the anatomy of the female genital organs and of the pelvic floor. The disorders of menstruation and inflammatory diseases of the uterus are also included.

During the fourth year the work is nearly all practical. Dr. Burch gives two didactic hours per week during the second term, taking up diseases of the breast, tumors, cancer, extra uterine pregnancy and lacerations.

The senior and junior classes in sections are taken in the outpatient department and the hospital and given practical instruction by Drs. Overton and Reynolds. Each student is afforded ample opportunity for the examination of females, the use of the various instruments, the introduction of pessaries, and the technique of the various gynecological treatments. Students are required to perform the various gynecological operations on the cadaver under the direction of Dr. Overton.

Drs. Burch and Tigert each hold one clinic a week at the Vanderbilt and City Hospitals for the junior and senior classes in sections.

PATHOLOGY, BACTERIOLOGY, CLINICAL MICROSCOPY.

Professor: DR. LITTERER.

Associate Professor: DR. SMITH.

Instructor: DR. EGGSTEIN.

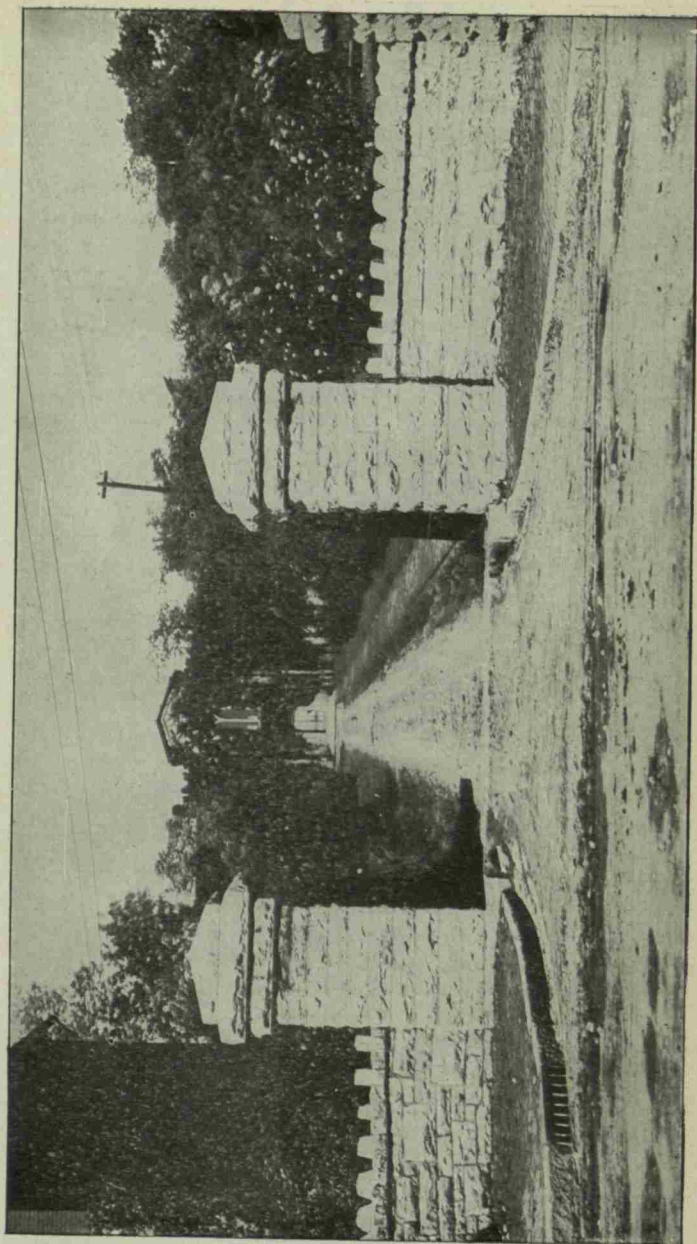
Demonstrator: DR. JACK WITHERSPOON.

Assistants: DR. MAXWELL and DR. LACY.

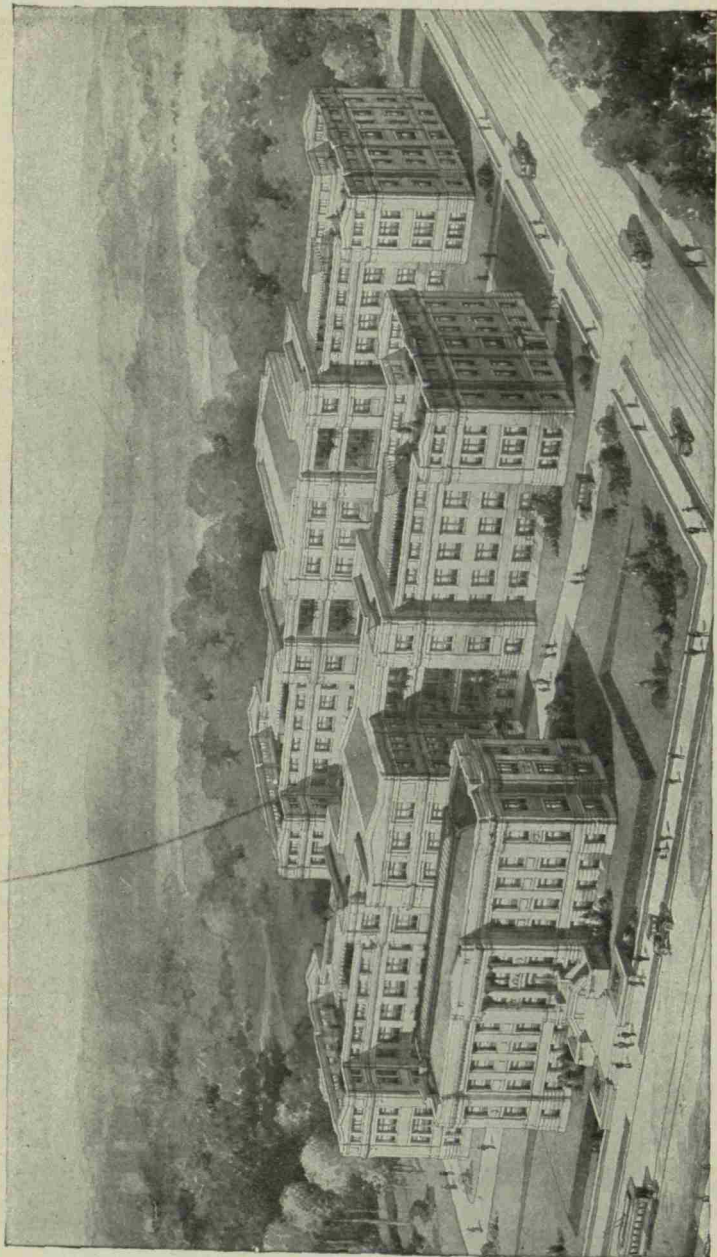
Instruction in Pathology consists of lectures and practical work in the laboratory and *post-mortem* room. In the second year Pathological Histology is made continuous with the course in Normal Histology. An abundance of pathological material is obtained from the college clinics, the *post-mortem* room, and hospital wards. Microtomes, freezing, infiltrating, and imbedding apparatus are available, and the laboratories are supplied with a complete equipment of modern microscopes.

The instruction in Morbid Anatomy will consist of lectures and laboratory demonstrations and the exhibition of specimens illustrating the various diseases of organs.

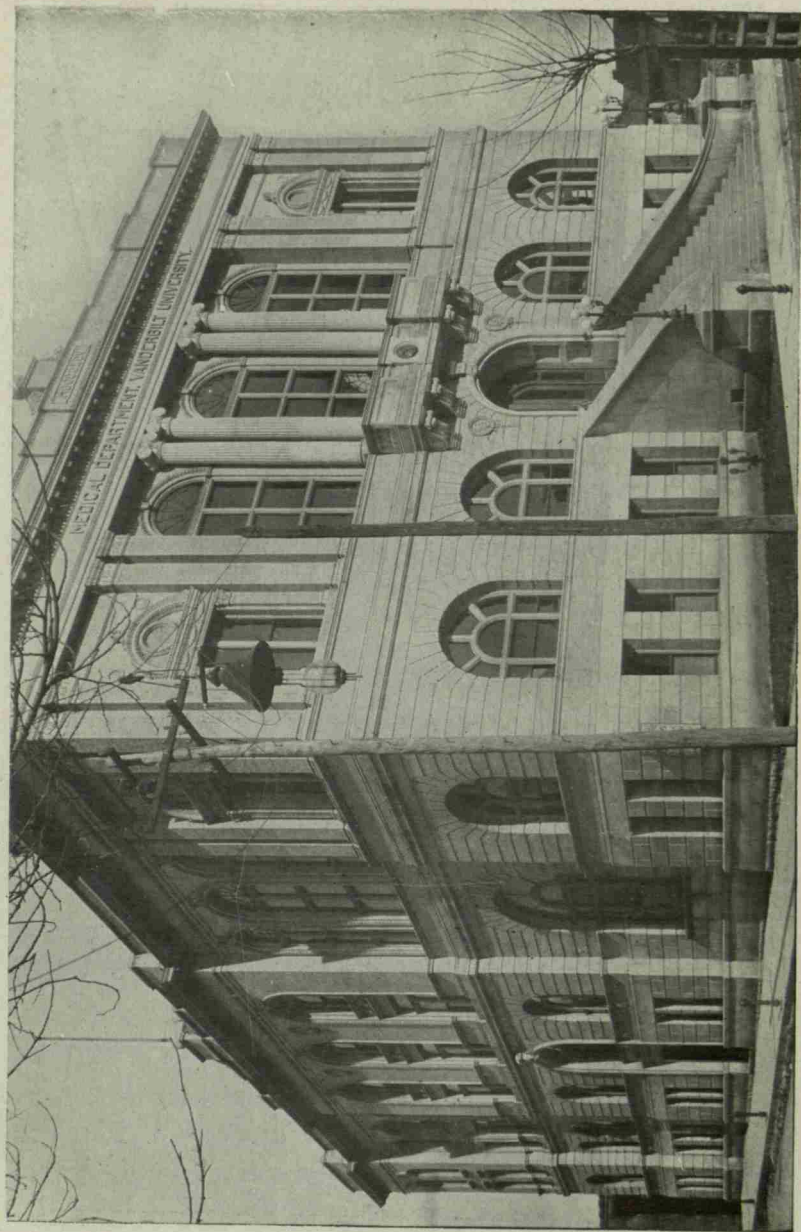
The course in Clinical Microscopy is intended to teach the student the various uses of the microscope in the diagnosis of diseases, and includes instruction in the microscopy of the various secretions and excretions of the body, and the methods for detecting pathological conditions.



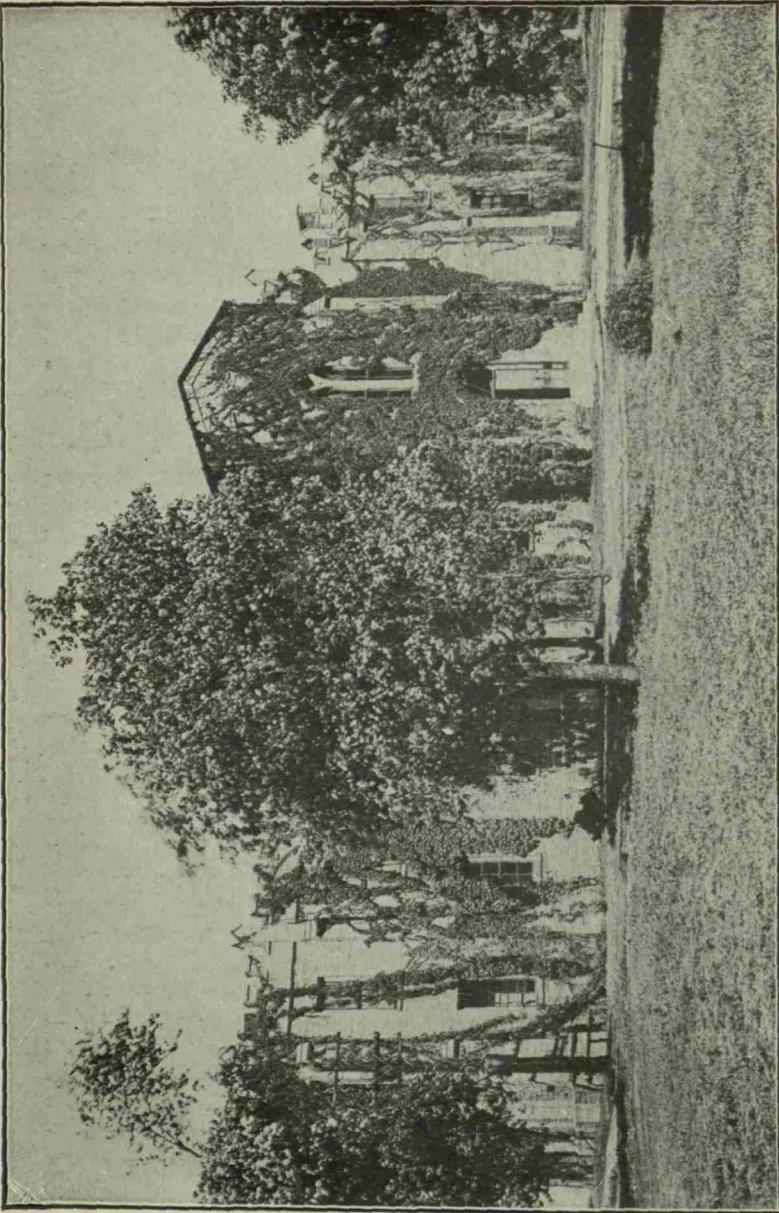
MAIN ENTRANCE—SOUTH CAMPUS.



GALLOWAY MEMORIAL HOSPITAL—SOUTH CAMPUS.



VANDERBILT UNIVERSITY HOSPITAL AND CLINIC



CENTRAL HALL—SOUTH CAMPUS.

For instruction in Bacteriology the laboratory is supplied with all the necessary apparatus for a comprehensive course in this subject. The student is individually taught the different processes of media making and of bacteriological technique, besides mounting and studying specimens of the various pathogenic micro-organisms. As full an assortment of the various bacteria as can be conveniently maintained is kept constantly on hand. Every facility is afforded in this department for original work. For illustrating the above courses, an electric lantern with microscopic projection apparatus is used.

POST-GRADUATE COURSES.—The laboratory, having a most complete outfit of all the necessary apparatus, is especially adapted for post-graduate instruction, as well as for the instruction of students who desire to take a special course in laboratory research. Post-graduates desiring to avail themselves of modern methods in microscopic diagnosis will find every facility extended for pursuing their studies. The laboratory is open for instruction at least six hours each day, and the professor or his assistants will be available at such hours as do not conflict with special clinical or other post-graduate work.

MICROSCOPES.—Beginning with the session of 1913-14 each new student will be required to have his own microscope. To meet this requirement arrangements have been made to sell high-grade instruments to students upon the instalment plan as outlined under the head of fees. The great advantage of this arrangement is that each student will have at the close of his college career a microscope of his own, with which he is familiar and which has been purchased on the most economical plan.

For any one not able to purchase an instrument as above outlined, arrangements can be made to rent an instrument by the payment of \$10 per annum, in advance, and at the end of the fourth year this rental can be applied to the purchase of the instrument.

MENTAL AND NERVOUS DISEASES.

Professor: DR. CROCKETT.

Associate Professor: DR. HARRIS.

Instruction in Neurology extends over the third and fourth years.

THIRD YEAR.

Before the diseases of the nervous system are taken up, the student is carefully reviewed in the practical anatomy and physiology of the brain and cord. Special attention is then given to explaining the symptoms that arise in the course of development of diseases. Then the definite diseases are taken up in detail.

The Beauchamp Scholarship, founded by Mrs. John A. Beauchamp in memory of her husband, who was for many years the Superintendent of the Central Hospital for the Insane, at Nashville, will be awarded to the student showing the greatest progress in this department and being otherwise worthy and deserving.

Lectures and Quizzes: Two hours a week throughout the year. Dr. Crockett and Dr. Harris.

Clinic: An hour a week throughout the year. At the clinic hour special attention is paid to a systematic examination of the patients by the class.

FOURTH YEAR.

One hour clinic throughout the year. Dr. Harris.

Members of the fourth year class are taken in sections to the Central Hospital for the Insane, where abundant material is available for the study of mental diseases.

PHYSIOLOGY.

Professor: DR. HAMBLETON.

Demonstrator: DR. ROGOFF.

Assistants: MR. NORTON, MR. BARRY, MR. CLEVELAND, and MR. HARRIS.

Instruction in physiology is given during the second term of the first year, and the first term of the second year, by means of lectures, recitations, and practical laboratory work. The didactic and experimental courses are taken up in the same general order so that the theoretical and practical work may supplement each other. Especial stress, however, is laid upon the practical work done in the laboratory by the student himself, so that he may become acquainted with the subject by actual observation. The course is arranged for the student of

medicine, and where possible reference is made to the application of physiology to medical and surgical practice.

FIRST YEAR.

Five hours lecture or quiz, and four hours laboratory per week during second term. Total (didactic 80, laboratory 64), 144 hours. The first few sessions of this class are devoted to the study of the general properties of protoplasm, and a review of those portions of electricity which are of importance to the medical student. The physiology of Muscle and Nerve, Blood, Circulation, and Respiration are then systematically studied in the order given.

In the laboratory the class works in groups of four; each group being supplied with a recording drum and other apparatus necessary for the work.

SECOND YEAR.

Five hours lecture or quiz, and four hours laboratory work per week during first term. Total (didactic 80, laboratory 64), 144 hours. During the second year the course includes the following subjects: Physiology of Secretion, Digestion and Excretion, Internal Secretions, Metabolism, Bodily Temperature, and the Central Nervous System.

In the laboratory the necessary experiments are conducted upon the lower animals, mammals under anæsthesia, or on man, the class working in groups of four. In all chemical analyses, however, the student is required to do individual work.

PHARMACOLOGY.

Professor: DR. HAMBLETON.

Demonstrator: DR. ROGOFF.

Assistants: MR. LAWWILL and MR. BAILEY.

Nine hours per week for six weeks. Total, 54 hours. The course in pharmacology, given during the second year, consists of a systematic laboratory course supplemented by informal lectures and recitations. Experiments on cold-blooded and warm-blooded animals illustrating the actions of drugs and the methods of pharmacological experimentation, are performed by the students working in groups of two to four. The results are systemized in conferences and quizzes, following the laboratory period.

CHEMISTRY.

Professor: DR. SHEIB.

Instructor: MR. SANDERS.

Instruction in Chemistry is given by lectures, fully illustrated by experiments, recitations, and thorough laboratory work. It consists of a general course of inorganic and organic Chemistry, with special reference to medicine. In the first year, first term, six lectures and recitations a week are given in general and inorganic Chemistry, and six hours a week are given in general experiments and qualitative Analysis. In the second year the course consists of two lectures and recitations a week on organic Chemistry for the first term, with three hours a week in laboratory work. In the second term two lectures a week are given in physiological Chemistry and six hours' laboratory work, devoted to the study and analysis of physiological products. Each student has a laboratory desk assigned him, in which he keeps his apparatus under lock and key during the entire session. The chemical laboratories are equipped with all the apparatus necessary for the prosecution of the most thorough and advanced work in medical Chemistry.

DERMATOLOGY AND ELECTRO-THERAPEUTICS.

Professor: DR. KING.

The course in Dermatology embraces a review of the histology and the pathology of the skin, also instruction in the special therapeutics and pharmacy of the subject, an effort being made to establish sound principles for the treatment of diseases of the skin. The diseases are taught by clinics and lectures, supplemented with charts and models, stress being laid upon clinical teaching.

The course in Electro-Therapeutics is given by lectures and demonstrations. The fundamentals of electricity are reviewed, the physiological effects of the different currents discussed, and the methods of use and application demonstrated. The X-Ray is thoroughly presented.

APPLIED ANATOMY.

Professor: DR. CALDWELL.

APPLIED ANATOMY.—Two hours a week for half the session to Junior students by Dr. Caldwell. A systematic study of the

normal, living body will be taken up. This course will include regional, relational, and surface anatomy, the living model being constantly used for study and demonstration. All class work is carefully graded.

ANATOMY, HISTOLOGY, AND EMBRYOLOGY.

Professor: DR. McCOTTER.

Assistant in Anatomy: DR. BRIGGS.

Assistant in Histology: DR. SPITZ.

The instruction in gross human anatomy is so arranged that the required work in this subject for the degree of Doctor of Medicine may be completed during the first and the second year of the medical course. A systematic study of the gross structure of the entire body is provided for in Courses 1, 2, 3, and 4. During the last six weeks of the second year Course 5 is offered, supplementary to the above courses, for the special study of regional and topographical anatomy, in which emphasis is laid upon those features of anatomy having direct application to the practice of medicine and surgery.

The work in microscopical anatomy and embryology, including the gross and microscopical anatomy of the nervous system and special sense organs required for the degree of Doctor of Medicine is completed during the first year of the medical curriculum. (Course 6.)

Text Books.—Descriptive Anatomy, Piersol's Human Anatomy; Cunningham's Text-Book of Anatomy (4th edition); Morris's Human Anatomy. Dissecting guides: Streeter's Laboratory Guide, Spalteholtz's Hand Atlas of Human Anatomy; Toldt Atlas. Regional and Surgical Anatomy: Treves's Surgical Applied Anatomy; Davis's Applied Anatomy. Microscopical Anatomy: Bohm-Davidoff-Huber's text-book of Histology; Stohr-Lewis' Text-book of Histology; Schafer's Essentials of Histology. Embryology; Bailey and Miller, Text-book of Embryology; McMurrich, the Development of the Human Body.

COURSES.

- I. *Systematic Course in the Anatomy of the Extremities.*
Course given in the mornings of the first year. Professor McCotter and assistants.

During this course the student makes a complete dissection of the arm and leg, together with the structures by which they are attached to the trunk. By dissecting the extremities in the same period the morphological analogies between the two are emphasized. During the same time the bony framework of the parts is studied.

II. *Systematic Course in Anatomy of the Abdomen and Pelvis.* Course given afternoons of the second year.

During this course, in addition to the complete study of the abdominal viscera and genito-urinary organs, the student dissects the abdominal walls, the long muscles of the back and the spinal cord. During the same time the bony framework of the trunk and pelvis is studied.

III. *Systematic Course in the Anatomy of the Head, Neck and Thorax.* The arrangement of instruction is the same as for Course II.

During the course the student dissects the thoracic viscera, the neck and the entire head with the exception of the brain. The study of the latter is provided for in Course VI. The student during this course is expected to familiarize himself with the anatomy of the bones of the skull.

IV. *Conferences in Anatomy.* Daily throughout the year. Professor McCotter and assistants.

These conferences are held in conjunction with Courses I, II and III. They consist in a review from day to day of the more important features of the dissections and the morphological significance of the different structures met with.

V. *Regional and Topographical Anatomy.* Six weeks, afternoons. Professor McCotter and assistants.

This course is a continuation of Courses I, II and III. It is designed to cover those features in anatomy that have direct application to the practice of medicine and Surgery. It embraces bony landmarks, the surface outlines of organs and the location of various nerves and arteries; the distribution of lymphatic vessels and glands; the special anatomy of joints; the character

of synovial membranes, sheaths and bursæ; fascial compartments; the position and relation of the abdominal and thoracic viscera with regard to diagnostic and operative procedures; and attention is also given to special points in the anatomy of the head and cerebral localization. The instruction consists in laboratory work, demonstrations and quizzes, large use being made of frozen sections and special dissections. During this course each student prepares a set of about 70 tracings made from frozen sections, showing the outline and relations of the principal structures of the body.

VI. *Embryology, Histogenesis, General Histology, Organology and Anatomy of the Special Sense Organs and Nervous System.*

This course consists of lectures, recitations and laboratory work. Each portion of the work, as taken up from day to day, is introduced by a general discussion, illustrated by blackboard drawings, and as far as possible by demonstrations of microscopic sections. Conferences and recitations are held at the end of the laboratory period. It is the aim throughout the course to interpret the adult structure of elementary tissues and organs through their development and histogenesis.

The following general plan is followed:

- a. *General Embryology, General Histology and Histogenesis, and Structure of the Elementary Tissues.* The course begins with the study of the cell, cell division and maturation and fertilization of the sex-cells. This is followed by a consideration of segmentation and the formation of the germ layers, and the development is traced to the anlagen of the various tissues and organs, emphasis being given to their derivation from the several germ layers. The course concludes with a consideration of the histogenesis and structure of the elementary tissues.
- b. *Organology.* During this period are considered the various organs exclusive of the central nervous system and the organs of the special senses. The study of the adult structures of each organ is preceded by a con-

sideration of its development and histogenesis.

- c. *Gross and Minute Anatomy of the Central Nervous System and Organs of Special Senses.* Six Weeks. It includes a consideration of the development of the nervous system and sense organs, illustrated by charts, models and serial sections, a study of the convolutions, a dissection of the human brain, and a study of a series of microscopic sections of the brain, brain stem and cord, followed by a consideration of the structure of the organs of the special senses.

GENITO-URINARY SURGERY.

Professor: DR. BROMBERG.

Assistant: DR. HAIMAN.

The professor in this course of instruction will go into every detail calculated to lay a thorough foundation for this important subject. To this end the uses of the endoscope, cystoscope and other diagnostic instruments will be shown upon living subjects; and every variety of clinics, exhibiting the various forms of bladder and kidney diseases will be presented for inspection, diagnosis and treatment by the student.

Ample opportunity will be given to familiarize each student with the use of the cystoscope by demonstration upon the phantom bladder, also affording opportunity and practice in ureteral catheterization.

THERAPEUTICS.

Professor: DR. GLASGOW.

Therapeutics will be given in the second year. The course embraces general therapeutics, modes of administering drugs, the physiological action and therapeutic uses of individual drugs and their application to the treatment of diseases.

Other remedial agencies receive consideration during the course. Four lectures and recitations a week throughout the year, including practical exercises in prescription writing.

DISEASES OF CHILDREN.

Professor: DR. WILSON.

Assistant: DR. COWAN.

Instruction in the diseases of infancy and childhood is given in the third and fourth years.

THIRD YEAR.

Lectures and quizzes on the infectious diseases most common among children—measles, whooping cough, diphtheria, etc.

Clinics: One hour a week for half the year. Dr. Wilson.

FOURTH YEAR.

Senior students receive instruction on the special physiological peculiarities of infants, their nutritional demands and diseases of the new born. Then is taken up in detail the problems of infant feeding, the digestive diseases of infancy, and such disturbances in nutrition as rickets, marasmus, etc. Two hours a week for half the year. Dr. Wilson. A special feature of the fourth year work is practical instruction in intubation on the cadaver.

Clinics: One hour a week for half the year. Dr. Wilson.

Fourth year students also have clinical instruction in the dispensary and wards by Dr. Cowan and the instructors associated with the Department of Medicine.

PREVENTIVE MEDICINE AND HYGIENE.

Professor: DR. HIBBETT.

A thorough course of lectures on hygiene and sanitary science is delivered to the senior class. The course is illustrated by diagrams and drawings.

MEDICAL JURISPRUDENCE.

Assistant Professor: DR. DABNEY.

Forensic medicine is taught by a course of lectures to the senior class.

VENEREAL DISEASES.

Lecturer: DR. ANDERSON.

A complete and thorough course in venereal diseases will be given to the third year class, comprising one lecture and a clinic each week.

In addition to this, the third and fourth year classes are divided into small sections, and carried into the venereal room in the outdoor department of the college dispensary for instruction in the treatment of these patients.

This department has grown so as to furnish practically every lesion in this specialty.

VANDERBILT UNIVERSITY

ANESTHETICS.

Instructor: DR. MARR.

A full course of instruction in the nature and use of anesthetics and practice in administering them will be given to each student in the fourth-year class.

MATERIA MEDICA AND PHARMACY.

Instructor: DR. ROGOFF.

Assistant: MR. MILLSTONE.

The course of instruction in this department will consist of a thorough course of lectures combined with class recitations, covering all of the medicines and preparations which are recognized by the U. S. Pharmacopœia and National Formulary as well as those of value found in the leading Dispensatories.

Combined with the course in Materia Medica will be given a comprehensive course in Pharmacognosy, and the student will have an opportunity to familiarize himself with the physical and chemical properties of the drugs which he studies, as well as their medicinal properties.

The newer remedies that have been proven of value and recognized by the medical profession, though they are not discussed in the pharmacopœia, will be taught, so that the medical student may learn to use drugs of value without the aid of the oft-misleading literature of aggressive and unscrupulous drug manufacturers.

The course of study in Pharmacy will be a combined lecture and laboratory course, and will include thorough instruction in prescription writing, incompatibles, and proper methods for preparing and combining medicines.

PHYSICS.

Instructor: MR. CRUMBLY.

Two recitations a week in physics, illustrated by experiments, are given the first-year class. This course will be given special application to medicine.

NOTICE: The schedule of lectures given in this Bulletin is that followed during session of 1912-13, and will form the basis of that for the session of 1913-14.

SCHEDULE OF INSTRUCTION — FIRST YEAR — FIRST TERM

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:15	Materia Medica	Chemistry	Osteology	Chemistry	Osteology	Anatomy
9:15	Histology Lab.	Chemical Lab.	Histology Lab.	Chemical Lab.	Histology	Histology
10:15	Chemistry					
1:30	Medical Physics	Materia Medica	Medical Physics	Histology Lab.	Histology Lab.	Materia Medica
2:30	Anatomical Lab.	Anatomical Lab.	Anatomical Lab.			
3:30						

SCHEDULE OF INSTRUCTION — FIRST YEAR — SECOND TERM

8:15	Materia Medica	Materia Medica	Materia Medica	Materia Medica	Physiology	Anatomy
9:15	Physiology	Physiology	Physiology	Physiology	Embryology	Pharmacy
10:15	Physiology Lab. Section 1	Physiology Lab. Section 2	Physiology Lab. Section 1	Physiology Lab. Section 2	Pharmacy Lab.	Pharmacy Lab.
1:30	Embryology					
2:30	Anatomical Lab.	Embryology Lab.	Anatomical Lab.	Embryology Lab.	Anatomical Lab.	
3:30						

SCHEDULE OF INSTRUCTION—SECOND YEAR—FIRST TERM

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:15	Physiology	Anatomy	Physiology	Physiology	Physiology	Therapeutics
9:15	Organic Chemistry Laboratory	Pathology	Anatomy	Pathology	Organic Chemistry	Physiology
10:15		Physiol. Lab., Sec. 1, and Pathol. Lab., Sec. 2.	Organic Chemistry	Physiol. Lab., Sec. 2, and Pathol. Lab., Sec. 1.	Physiol. Lab., Sec. 1, and Pathol. Lab., Sec. 2.	Physiol. Lab., Sec. 2, and Pathol. Lab., Sec. 1.
11:15			Norm. Phys. Diagnosis			
1:30	Therapeutics					
2:30						
3:30	Anatomical Lab.	Anatomical Lab.	Anatomical Lab.	Anatomical Lab.	Anatomical Lab.	

SCHEDULE OF INSTRUCTION—SECOND YEAR—SECOND TERM

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:15	Physiol. Chemistry	Anatomy	Physiol. Chemistry	Anatomy	Therapeutics	Pathology
9:15	Physiol. Chem. Lab.	Pathology	Physiol. Chemistry Lab.	Pathol. Lab., Sections 1 and 2.	Norm. Phys. Diagnosis	Pathol. Lab., Sections 1 and 2.
10:15		Pathol. Lab., Sections 1 and 2.				
11:15						
1:30	Therapeutics		Pharmacology		Pharmacology	
2:30						
3:30	Anatomical Lab.	Anatomical Lab.	Anatomical Lab.	Anatomical Lab.	Anatomical Lab.	

SCHEDULE OF LECTURES, CLINICAL, LABORATORY, AND WARD CLASS WORK—THIRD YEAR

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:15	G *Gynecology **Children	G *Gynecology **Children	H *Obstetrics **Surg. Anatomy	H *Obstetrics **Surg. Anatomy	C Bacteriology	K Ear, Nose and Throat
9:15	G Medicine	G Nervous and Mental Diseases	G Medicine	G Medicine	G Nervous and Mental Diseases	B *Minor Surg. and Bandaging **Orthopedics
10:15	G Venereal Diseases	H Prin. Surgery	C Clinical Medicine	H Prin. Surgery	C Bacteriological Lab.	C Bacteriological Lab.
11:15	C Clinical Medicine	H Physical Diagnosis	C Clinical Medicine	H Physical Diagnosis	C Bacteriological Lab.	C Bacteriological Lab.

* 1st Term.

** 2nd Term. The class will be divided into two divisions for work in Bacteriology and Clinical Medicine each continuing for one term. The above is the assignment for the 1st term and the sections will exchange during the 2nd term.

SCHEDULE OF CLINICAL AND BEDSIDE WORK—THIRD YEAR

Clinics—City Hospital

2 to 3 p.m.	Sections A and B Surg. Clinic	Sections A and B Gynecol. Clinic	Sections A and B Surg. Diagnosis	Sections A and B Obstet. Clin.	Sections A and B Surg. Clinic
3:15 to 4:15 p.m.	Children	Nervous and Mental Diseases	Ear, Throat and Nose	Dermatology & Elec. Therapy	Surgical Diagnosis

Ward Class Work—College Hospital

2 to 3 p.m.	Section C. Dispens. Work. Medicine	Section C. Dispens. Work. Medicine	Section C. Dispens. Work. Medicine	Section C. Dispens. Work. Medicine	Section C. Dispens. Work. Medicine
	Section D. Ward Class Medicine	Section D. Ward Class Medicine	Section D. Ward Class Medicine	Section D. Ward Class Medicine	Section D. Ward Class Medicine

The Class will be divided into four sections for City Hospital Clinics and Ward Class Work. Two sections attend the Hospital Clinics and the other two sections will attend Ward Class Work during the 1st term. During the 2nd term the Clinical Sections exchange with the Ward Class sections. The Ward Class sections exchange every seven weeks. The above schedule shows the assignment of the sections beginning Sept. 25, 1912.

The students from each section will be assigned to work in Genitourinary and Venereal diseases, Gynecology, Microscopical Diagnosis; Surgery, Eye, Ear, Nose and Throat in the Out-Patient Department.

	Tuesday	Wednesday	Thursday	Friday	Saturday
8:15	H •Eye ••Gynecology	G Obstetrics	G •Children ••Surgery Barr	G Obstetrics	G •Children ••Surgery Barr
9:15	K •Hygiene ••Skin	K Surgery •Haggard ••McGannon	H •Clin. Microscopy ••Medical Jurisprudence	•Clin. Microscopy ••Medical Jurisprudence	K Surgery •Haggard ••McGannon
10:15	G Clinic: College Hospital Dermatology and Electro Therapy	G •Surgery Eye	L •Electro Therapeutics ••Proctology	Clinic: College Hospital Eye, Ear, Nose and Throat	G Genito-Urinary Surgery
11:15	G Medicine	G Medicine	Clinic: College Hospital Children	G Medicine	Clinic: College Hospital Nervous and Mental Diseases

Rooms in the College Hospital Building are A B C D E and F. Lecture Rooms in Central Hall on South Campus are G H I J K and L.
*1st Term. **2nd Term.

SCHEDULE OF CLINICAL AND BEDSIDE WORK — FOURTH YEAR

	Clinics—College Hospital			
10:15	Dermatology Elec. Ther.			Eye, Ear, Nose and Throat
11:15				
2 p.m.	Surgery ¼ Class	Gyn. Clin. ½ Class	Children	
3 p.m.	Medicine ¼ Class	Med. Clin. ½ Class	Surg. Clin. ½ Class Med. Clin. ½ Class	Obstet. Clin. ½ Class Med. Clin. ½ Class
	Ward Class Work—College Hospital			
	Section A Clin. Con. Medicine	Section A Clin. Con. Gyn.	Section A Clin. Con. Medicine	Section A Clin. Con. Medicine
3:15 to 4:15 p.m.	Section B Ward Class Medicine	Section B Ward Class Medicine	Section B Ward Class Medicine	Section B Ward Class Medicine
	Section C Dispensary Medicine	Section C Dispensary Medicine	Section C Dispensary Medicine	Section C Dispensary Medicine
	Section D Clinical Microscopy	Section D Clinical Microscopy	Section D Clinical Microscopy	Section D Clinical Microscopy
Section E. The members of this section will be assigned to work in Genito-Urinary and Venereal diseases. Gynecology, Microscopical Diagnosis, Surgery, Eye, Ear, Nose and Throat in the Out-Patient Department.				
	Section F Ward Class Med.	Section F Ward Class Med.	Section F Ward Class Surgery	Section F Ward Class Med.
The Senior Class will be divided in 6 sections and each student will receive...				

TEXT AND REFERENCE BOOKS.

- Chemistry*—Holland.
Chemical Analysis—Sheib (notes).
Physiological Chemistry—Hawk.
Urine Analysis—Tyson, Ogden, Purdy.
Medicine—Osler, Tyson, Anders, French, Hughes, Wheeler.
Physical Diagnosis—Tyson, Cabot, Anders and Boston.
Materia Medica—Stevens, Potter.
Therapeutics—H. C. Wood, Hare.
Pharmacy—U. S. Pharmacopœia, Ruddiman.
Physiology—Howell, Brubaker.
Physiology Laboratory—Busch.
Histology—Bailey, Huber.
Pathology—Delafield & Pruden, Coplin.
Clinical Microscopy—Simon, Emerson, Wood.
Bacteriology—Williams, Park, Jordan.
Anatomy—Cunningham, Gray, Treves.
Gynecology—Penrose, Ashton, Crossen.
Abdominal Surgery—Douglas.
Surgery—Park, DaCosta, Stewart, Lexar-Bevan.
Obstetrics—Edgar, Williams, King.
Neurology—Church and Peterson, Potts.
Disease of the Eye—May, Wood, Woodruff, and Savage.
Disease of the Ear—Bacon.
Diseases of Throat and Nose—Coakley, Bishop, Phillips.
Diseases of Children—Holt, Forsyth.
Hygiene and Sanitary Science—Egbert, Abbott.
Defects of the Eye—Savage.
Genito-Urinary and Venereal Diseases—Taylor, Keys, White and Martin.
Medical Jurisprudence—Draper.
Medical Law—Taylor.
Embryology—McMurrich.
Dermatology—Hyde and Montgomery, Pusey, Schamburg, Stelwagon.
Micro-Technic—Mallory and Wright, Cattell, Morrow.
Hematology—Cabot, DaCosta.
Tropical Diseases—Manson.
Electro-Therapeutics—Martin, Tousey.

Medical Dictionary—Gould, Dorland, Stedman, Lippincott.

Minor Surgery—Foote.

Bandaging—Davis.

Pellagra—Niles.

Orthopedic Surgery—Taylor, Whitman.

Medical State Board—Goepps.

Applied Anatomy—Davis.

REQUIREMENTS FOR A DEGREE.

To be eligible for the degree of Doctor of Medicine, every candidate must fulfil the following conditions:

1. He must have attained the age of twenty-one years, and must sustain a good reputation for moral character.

2. He must have spent four years as a student in this department; or, if but one, two, or three years in this institution, he must have pursued such studies, in some other recognized institution, as are considered by the faculty to be the equivalent of the remainder of the full term of study. The last year must have been in this institution.

3. He must have passed, to the satisfaction of the Faculty, all of the prescribed examinations of the course.

HONORS.

FOUNDER'S MEDAL—This is the highest prize offered in each department of the University, and in the Medical Department it is awarded each year to the graduate who attains the highest average grade in the work of the fourth year of his medical course.

SCHOLARSHIPS—To each student attaining the highest average grade in the first, second, and third years will be awarded a scholarship valued at fifty dollars, which will be credited on the tuition of the following year.

APPOINTMENTS.—Numerous appointments to internships are at the disposal of the Faculty each year, in hospitals throughout the country in addition to those in the Nashville City Hospital, the Vanderbilt Hospital and the Providence Hospital at Waco, Texas.

For some years there have been more appointments at the disposal of the Faculty than they could provide internes for. The appointments made this year are given on page 42.

FEEES.

Tuition fee for each year. This includes matriculation fee, professor's ticket, laboratory and demonstration fees	\$150 00
Contingent fee , to cover breakage of apparatus and damage to buildings, which will be returned, less the charges, at close of session.....	5 00
Athletic fee , this fee gives the student admission to all athletic contests on Dudley Field, and also gives him the privilege of the Y. M. C. A. Reading Rooms, the recreation hall, the baths and athletic field on South Campus	5 00
Total ordinary fees for first, second and third year students	160 00
Graduation fee charged fourth year students.....	25 00
Total ordinary fees fourth year students	185 00

Microscopes, see page 25. Instruments can be purchased on annual instalments as follows:

- .. Microscope FF.-8—Price \$65.00, four instalments at.. 16 25
- Microscope BH.-8—Price \$70.00, four instalments at.. 17 50
- Microscope BBH.-8—Price \$80.00, four instalments at. 20 00

No additional fee is required for City Hospital or Vanderbilt Hospital work. The graduation fee will be returned should the applicant fail to graduate. Students are required to pay one-half of their tuition at the beginning of the session and the other half on or before February 1st.

GRADUATE WORK.

Graduates in Medicine may pursue advanced work upon paying a matriculation fee of \$5.00 and a hospital fee of \$5.00

Laboratories are charged extra and will be charged at the rate of \$10.00 for any single laboratory, and \$5.00 for each additional laboratory course.

WITHDRAWALS.

Students withdrawing or receiving their dismissal from the department will not be entitled to any return of fees.

DIRECTION.

On arriving in the city, the student can best reach the South Campus by taking a street car at the depot and riding to the Transfer Station, there transferring either to a car marked "Fourth Avenue," "Nolensville," or "Fairfield," getting off at Elm Street, and walking two squares to the left; or by taking a "Wharf Avenue" car and getting off at Middleton Ave. and

walking one square to the right. On arriving in the city, students should go at once to the South Campus, where they will be received and directed to suitable boarding places.

COMMUNICATIONS.

All communications regarding the Medical Department should be addressed to

DR. L. E. BURCH, *Secretary*,
Eve Bldg., Church St., Nashville, Tenn.

HONORS.

Founder's Medal—C. C. APPLEWHITE.

Scholarships in Third Year—R. M. EVANS.

Scholarships in Second Year—J. H. ST. JOHN.

Scholarships in First Year—C. W. RAY.

The Beauchamp Scholarship—see page 26.

HOSPITAL APPOINTMENTS.

Vanderbilt Hospital—J. D. APPLEWHITE, T. D. MCKINNEY.

St. Thomas Hospital—R. E. SULLIVAN, F. B. DUNKLIN, W. H.

NEEL, L. M. LANIER.

Cotton Belt Railway Hospital, Texarkana, Ark.—A. M. BAKER,

Willard-Parker Hospital, New York City, N. Y.—R. H. PERRY,

B. C. ARNOLD, S. A. BROOKS, I. H. LAWSON, ROY SAMPLE.

City Hospital—S. A. RICHARDSON, D. B. ZBINDEN, E. F.

SRYGLEY, S. B. SNAPP, J. W. NICHOLSON.

Woman's Hospital, Nashville—R. R. BRIDGES.

Butterworth Hospital, Grand Rapids, Mich.—H. M. BLACK-

BURN, E. A. GILBERT.

St. Vincent Hospital, Birmingham, Ala.—JOE R. SHELTON, J.

O. WALKER.

W. K. EDWARDS, Home of the Disabled, Los Angeles, Cal.;

PAUL GUERNSEY, Central Insane Asylum, Nashville, Tenn.;

J. H. SWOFFORD, St. Luke's Hospital, Bethlehem, Pa.;

D. P. WEBSTER, French Hospital, San Francisco, Cal.;

R. M. JONES, Lane Hospital, San Francisco, Cal.;

M. M. JETTON, Knoxville General Hospital, Knoxville, Tenn.

MEDICAL DEPARTMENT

FIRST-YEAR CLASS.

Name	Home Address	Name	Home Address
Abercrombie, Eugene	.....South Carolina	Hays, Albert Garland....	Tennessee
Alden, Ward Clair	.....Tennessee	Hays, George Augustus, Jr.	.....Arkansas
Askew, Wesley L.....	Texas	Henderson, Walter Ford.	Tennessee
.....	Tennessee	Hinton, Sterling Buchannan	.....Kentucky
Blackwell, William Griff	.....Washington	Holmes, Albert Earle	.....Florida
Baske, Hugo Frederick.	.....Texas	Inlow, Ellis Lancaster	.....Tennessee
Baxter, Thomas Dugan....	.....Missouri	Johnson, Julius Adams.	.....Tennessee
Bondurant, Alpheus J....	.....Kentucky	Kimbrough, Claude J.	.....Tennessee
Bunch, Ray Callis.....	Tennessee	Kirkpatrick, Jere William	.....Tennessee
Camp, Will	.....Tennessee	Kuykendall, P. Moran....	Texas
Carr, Gordon Bennett....	Kentucky	Leake, William Harry	.....Florida
Chapman, Solomon Jefferson	.....Tennessee	Lewis, Milton Smith....	Tennessee
.....	Tennessee	McCaleb, Walter Lee....	Tennessee
Chrisman, Howard Anfra.	Kentucky	McKay, Langdon Landrett.	Missouri
Clark, Cordell Hunt	.....Tennessee	Maher, William P.	New Jersey
Clinkscales, Grady Sebastian	.....South Carolina	Milholland, William George	.....California
.....	Tennessee	Millstone, Henry James....	Indiana
Joffman, George L.....	Texas	Moncrieff, William Franklin, Jr.	.....Tennessee
Compere, Thos. Hechgee....	Tennessee	Moore, Thomas Daniel...	Kentucky
Cornwell, Dallas Lowell.	.....South Carolina	Naive, Jesse Bryan.....	Tennessee
Donnald, Edwin Cox.	.....Tennessee	Noojin, Tee Betterton....	Alabama
Donnell, Herbert.....	Tennessee	Norwood, John Kirk.....	Florida
Donnelly, Arthur DeVies.	Kentucky	Nunn, John Allison.....	Tennessee
Douglas, Roy Archie....	Tennessee	Oglesby, Knowles Getting..	Florida
Dyer, Lloyd Elmer.....	Tennessee	Palmer, Alonzo Trent....	Missouri
Equen, Murdock Sykes.	Mississippi	Paschall, Clato Dreyfoos..	Kentucky
Ezell, Coriolanus Valerius..	Texas	Peavy, Henry Jackson....	Georgia
Finney, Earl Gee.....	Missouri	Perry, Artie	.....Kentucky
Folger, Riley Carlisle	.....South Carolina	Phillips, Herbert Lamont.	Alabama
.....	Tennessee	Polk, Joseph Randan....	Alabama
Fly, James Clagett.....	Tennessee	Pound, Presley Louis	.....Missouri
Ford, Earl C.	Tennessee	Pope, Paul Green	.....Tennessee
Ford, James Arthur.....	Florida	Powers, John Elbert....	Tennessee
Foshee, John Clinton....	Alabama	Price, George Leonard....	Tennessee
Foster, William Bell.....	Alabama	Price, Henry Levi.....	Tennessee
Friberg, Cassina Ward....	Tennessee	Ray, Charles Wells.....	Texas
Frierson, St. Clair Gordon.	Alabama	Robinson, Leslie R.	Kentucky
Fritts, King Crutchfield.	Tennessee	Sanford, James Robert....	Tennessee
Gill, Eugene Grady.....	Virginia	Scheff, Abe	.....Kentucky
Goff, Jesse	.....Tennessee	Seale, Enoch Carruth..	Mississippi
Gold, Thomas Dixon....	Kentucky	Shelton, Oscar Woomen....	Arizona
Goldburg, Nathan	.....Tennessee	Sikes, Ammie Thomas....	Tennessee
Greene, Samuel S.	Texas	Sisk, Ira Roscoe.....	Georgia
Gregory, David Albertus.	Tennessee	Smission, Roy Clayton....	Georgia
Gregory, Lawrence Riddick	.....Alabama	Spencer, Hugh Sloan	.....Texas
.....	Alabama	Stahl, Louis Julius	.....Texas
Hall, Cornelius	.....Tennessee	Stickley, J. H.	Tennessee
Hamilton, James Harvey.	Tennessee	Thaxton, Gerald B	.....Texas
Hamner, Lewis Hercliel..	Alabama	Thompson, George Alva....	Alabama
Hanson, Earl William....	Tennessee		
Harrison, Clyde Ennis	.....Louisiana		
Hasty, Fred Emerson....	Alabama		

VANDERBILT UNIVERSITY

Name	Home Address	Name	Home Address
Tucker, Charles Hayes	Tennessee	West, Andrew Lewis	Georgia
Van Ness, Allan Edward	Tennessee	White, Hugh Dickson	Texas
Walker, Granville Inman	Tennessee	White, Joel Jesse	Tennessee
Wampler, George Moore	Tennessee	Wilson, Carl Sanford	Texas
Watson, Jerre	Alabama	Winn, John Harvey, Jr.	Tennessee
Weldon, William Adair	Kentucky	Wyche, George Griffin	Texas

SECOND-YEAR CLASS.

Allen, Edmond B.	Tennessee	Hall, Jesse Lee	Texas
Anderson, Samuel Newton	Texas	Harris, Earl Warfield	Tennessee
Anthony, Daniel Harbert	Tennessee	Harris, Henry Cameron	Alabama
Arrants, William Ross	Tennessee	Henderson, Raymond Dee	Tennessee
Aylen, Walter Carter	Montana	Henry, Edgar Vernon	Texas
Bailey, Clyde Lester	Virginia	Hibbitts, William	Missouri
Bailey, Conrad O.	Alabama	Hinde, Hubbard K.	Texas
Barnes, Miles William	Tennessee	Holmes, Thomas Wilburn	Mississippi
Barry, Thomas R.	Tennessee	Houston, Matt Francis	Alabama
Bell, Forest Gunn	Tennessee	Hunt, Kenneth Stovall	Georgia
Belue, Julius Orville	Alabama	Jackson, Noah Riley	Texas
Bowen, William Foster	Tennessee	Jennings, Thomas Vallie	Texas
Brandau, William Haller	Tennessee	Jenkins, John Bell	Texas
Brewer, Frank Benton	Texas	Johnson, James G.	Arizona
Brooke, George Carter	Georgia	Johns, Amos Eldrich	Tennessee
Brown, Thomas H.	Tennessee	Jones, Andrew Blucher	Tennessee
Burnett, Riley Wilson	Mississippi	Kelly, Thomas Bartlett	Illinois
Byrd, Benjamin Franklin	Mississippi	Law, William Porter	Louisiana
Cashion, William Aaron	Tennessee	Lawwill, Stewart	Tennessee
Chandler, Orville Barnes	Tennessee	Lester, James Dunn	Tennessee
Chester, Walter Simmons	Kentucky	Manlove, William R.	Tennessee
Christian, Paul Hopkins	Georgia	Markle, Lewis	Tennessee
Christian, Thomas Bachlott	Georgia	Moon, Orville Bruce	Tennessee
Cleveland, Crawford Haralson	Alabama	Miller, LaFayette Pate	Texas
Compton, J. Vaughan	Tennessee	Moss, Charles Smith, Jr.	Tennessee
Core, William Jesse	Tennessee	Motley, Robert Lyle, Jr.	Tennessee
Cooksey, Rogers Taylor	Kentucky	Nash, William Brehon	Tennessee
Cooper, Lawrence Edgebert	Missouri	Nelson, Oscar Gastaf	Alabama
Crutchfield, Carl Robt.	Tennessee	Nicholson, Lemuel Bradford	Alabama
Dade, Randolph, Jr.	Kentucky	Olive, Roy Alene	Texas
Denham, R. H.	Tennessee	Page, Woodfin Brady	Alabama
Dial, Virgil Andrew	Missouri	Park, Ira Oscar	Tennessee
Ehrlic, Sigo	Arkansas	Parrish, Thomas Edward	Florida
Farmer, Myron Hall	Georgia	Podesta, Augustine Joseph	Mississippi
Fowler, Forest Francis	Texas	Pollock, Cary Robert	Colorado
Fraser, H. Earl	Kentucky	Potter, L. Owen	Kentucky
Fridge, Percy Alonzo	Louisiana	Price, Charles Wesley	Alabama
Gaw, Rasco C.	Tennessee	Reams, Glenn Holway	Tennessee
Gee, Othel Jefferson	Texas	Rock, John William	Kentucky
Gillen, George Hamilton	Tennessee	Ross, Samuel Culloch	Tennessee
Goddard, William Bell	Kentucky	Scovern, Herald Blaine	Missouri
Goldberg, Harry H.	Tennessee	Siebenmorgen, Lewis	Tennessee
Gorton, Levin Walles	Louisiana	Smirl, Ralph Giles	Colorado
Graves, Lattie	Kentucky	Smith, Harry Maxwell	Tennessee
Graves, Pellie G.	Kentucky		
Griffin, Clyde Butler	South Carolina		

VANDERBILT UNIVERSITY

Name	Home Address	Name	Home Address
Smith, Mouldon	Texas	Waller, Coristantine Perkins	Tennessee
Smith, Warren Hayes	Tennessee	Walton, Charles Douglas	Tennessee
Spencer, Octavia Mallius	Alabama	Weldon, Dennis F.	Georgia
St. John, Joseph Harold	Tennessee	Winn, William Ray	Tennessee
Stone, Edgar Wright	Kentucky	Woodring, Thomas Volney	Tennessee
Vandiver, Horace Greeley	Alabama	Wright, Thurman Gregory	North Carolina
Vickers, Wilson Lewis	Tennessee	Young, Thomas H., Jr.	Tennessee
Waddell, John R.	Alabama		
Walker, Starns Elbert	Tennessee		

THIRD-YEAR CLASS

Allen, James Stockell	Kentucky	Mashburn, Neely Cornelius	Tennessee
Anderson, J. T.	South Carolina	Massey, Virgil Elwood	Tennessee
Benson, Burnett Bolssean	Kentucky	Miller, Dubart	Texas
Bishop, Eugene Lindsley	Tennessee	Moore, Milton Jefferson	Texas
Blaydes, James Elliott	Tennessee	Moore, William Layman	Texas
Brown, Robert Rates	Tennessee	McCalip, Hugh L.	Mississippi
Bullard, Chester Calvin	Texas	McGarvey, Earl	Kentucky
Cayce, John Smith	Tennessee	McKay, James Clyde	Missouri
Chapman, Thomas Crowder	Tennessee	McSwain, George Reynolds	Tennessee
Cochran, Marcellus Francis	Georgia	Nichols, James Norton	Tennessee
Cox, Clarence Tyler	Tennessee	Norton, Ethelbert Moses	Alabama
Crumbley, Jas. Jernigan	Georgia	Orr, James Arthur	Kentucky
Dabbs, John W. Thomas	Tennessee	Perkins, Furman Jack	Texas
Darwin, William Cyrus	Tennessee	Pillow, Robert	Tennessee
Dillon, Franklin Lafayette	Tennessee	Potter, James E.	Illinois
Douglas, Henry Lightfoot	Tennessee	P'Poole, David Bruce	Kentucky
Edwards, Harry Sacra	Tennessee	Puryear, Harry Hinton	Mississippi
Erickson, Clarence B.	Louisiana	Ramage, Raymond Rock	Alabama
Evans, Raymond Myers	Kentucky	Reeves, Daniel Herbert	South Carolina
Eves, Frank Pierce	Tennessee	Rosson, Frank Barne	Tennessee
Fowler, Charles Clark	Tennessee	Sanders, J. A.	Indiana
Freeman, Arthur	Kentucky	Shelby, Mitchell Hudson	Missouri
Fenton, Walton Wallace	Ohio	Shelton, William	Tennessee
Givan, Thurman Boyd	Tennessee	Simpson, John Clifton	Arkansas
Hatcher, George Abram	Tennessee	Smith, DeWitt Talmage	Tennessee
Hawkins, Thaddeus Isalah	Georgia	Stilley, Marshall A.	Kentucky
Henson, Samuel Lafayette	Kentucky	Sutherland, Edward A.	Tennessee
Hunt, Sam, Jr.	Texas	Swinney, Buford Alonzo, Jr.	Texas
Jackson, John	Tennessee	Thomas, Irl	Kentucky
Jenkins, Jesse Gee	Texas	Thomasson, Chas. Franklin	Tennessee
Jones, Fred Anderson	Kentucky	Thompson, Ernest Brent	Tennessee
King, Thomas Albert	Texas	Tidwell, Harold Frank	Tennessee
Lee, Chester Dave	Tennessee	Waddell, Harry Grady	Alabama
Leggett, Albert Earl	Mississippi	Warren, Chas. Herbert	Texas
Lipscomb, John Marshall	Tennessee	Tharp, Milton	Tennessee
Little, Bayless McLean	Tennessee	Willey, Felix Jefferson	Tennessee
Long, Henry Clay	Tennessee	Wilson, Ennis Cleveland	Oklahoma
Magan, Percy Pilsen	Tennessee	Wilson, William Edwin	Tennessee
Magee, Robert Carl	Texas	Yale, Frank Chester	Tennessee

VANDERBILT UNIVERSITY

SENIOR CLASS.

Name	Home Address	Name	Home Address
Anderson, Tom Erwin.....	Texas	Lunsford, William Bruce.	Tennessee
Applewhite, Calvin Crawford	.....Mississippi	Mahon, George D.....	Texas
Applewhite, Joe Davis..	Mississippi	Marchbanks, Stanton Sanders	.....Tennessee
Arnold, Benjamin Clayton	.....Tennessee	Maxwell, Elmer Stevens....	Texas
Baker, Allen Moore.....	Texas	Meacham, Clinton Culbert.	Kentucky
Black, Herbert Octavius..	Florida	Meadors, Robert Carnell..	Arkansas
Blackburn, Henry Mastin.	Tennessee	Morgan, John Daniel, Jr..	California
Bridges, Robert Russell..	Alabama	Myers, David Vance.....	Tennessee
Brinson, William David..	Louisiana	McKinney, Thomas Dempsey	.....Georgia
Brooks, Sidsbery Albert.	Tennessee	Neel, Willie Hal	Kentucky
Caldwell, Jere Witherspoon	.....Tennessee	Nicholson, James Willard	.....California
Carroll, Daniel Webster..	Oklahoma	Perry, Richard Hubert..	Kentucky
Clopton, Owen Hobson....	Kentucky	Puckett, Bascom M.	Texas
Connell, Morris L.	Tennessee	Reeves, Jerome Lyda	.....North Carolina
Crafton, George Anderson.	Kentucky	Reeves, Reley Jefferson	.....North Carolina
Culp, Ed	Tennessee	Richardson, Shaler Arnold	.....Louisiana
Denton, Guy Tressleu....	Tennessee	Rude, Will Steinberger	Texas
Dunklin, Frank B.	Tennessee	Russell, Cleveland C.....	Illinois
Edwards, William K. ..	Tennessee	Sample, Roy Osborne.....	Missouri
Eldridge, Jesse Cleveland Nublin	.....Tennessee	Scruggs, Elroy	Kentucky
Erwin, Frank Lewis.....	Missouri	Shelton, Joe Richard....	Tennessee
Etter, Roscoe	Tennessee	Smith, Clifford Talbot..	Mississippi
Farnsworth, Merton Alandy	.....Tennessee	Snapp, Landon Boyce....	Tennessee
Fitts, William Thomas..	Tennessee	Srygley, Elam F.	Tennessee
Gilbert, Eugene A.	Tennessee	Sullivan, Robt. Edward.	Tennessee
Guernsey, Paul Francis....	Iowa	Swafford, Jack H.	Tennessee
Guthrie, Samuel Richard..	Kentucky	Tharp, Milton.....	Tennessee
Haiman, Julius Arky....	Tennessee	Wade, Leslie Harrison...	Tennessee
Jennings, William Leonard..	Texas	Walker, James Otey...	Tennessee
Jetton, Mark Mitchell...	Tennessee	Webster, Donald Payson.	California
Johnson, Samuel A.	Tennessee	Weir, William Carigan....	Texas
Jones, Robert Melvin, Jr.	California	Williams, John Wesley..	Tennessee
Lacy, Geo. Rufus	Texas	Wilson, Geo. Edward...	Tennessee
Lanier, Leon Martin.....	Tennessee	Wright, Burnett Wilford	.....Kentucky
Lawson, Isaac Harry ...	Tennessee	Zbinden, David Burdett..	Tennessee
Lewis, William Bryant.	Mississippi		

POSTGRADUATES.

Bridges, Joseph Gill	Tennessee	Mabrey, Earl Winters...	Tennessee
Falvey, Thos. Seymour	Texas	McGuffin, Robert Kenton	.....W. Virginia
Grace, William Curtis...	Tennessee		

UNOFFICIAL COURSE.

Walsworth, James E. ...	Louisiana
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SPECIAL STUDENT.

Boench, Benjamin Hord.	Tennessee
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VANDERBILT UNIVERSITY

GRADUATES SINCE 1874.

Number of graduates in Medical Department of Vanderbilt University since its foundation in 1874:

1875	61	1896	25
1876	46	1897	28
1877	74	1898	66
1878	73	1899	76
1879	95	1900	94
1880	92	1901	92
1881	120	1902	16
1882	144	1903	34
1883	85	1904	34
1884	93	1905	35
1885	73	1906	36
1886	91	1907	42
1887	81	1908	42
1888	85	1909	49
1889	80	1910	39
1890	128	1911	40
1891	107	1912	66
1892	121	1913	71
1893	126		
1894	140		
1895	49	Total	2,849