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Vol. XV.

JULY 1915

No. 6

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# BULLETIN OF VANDERBILT UNIVERSITY

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NASHVILLE, TENNESSEE

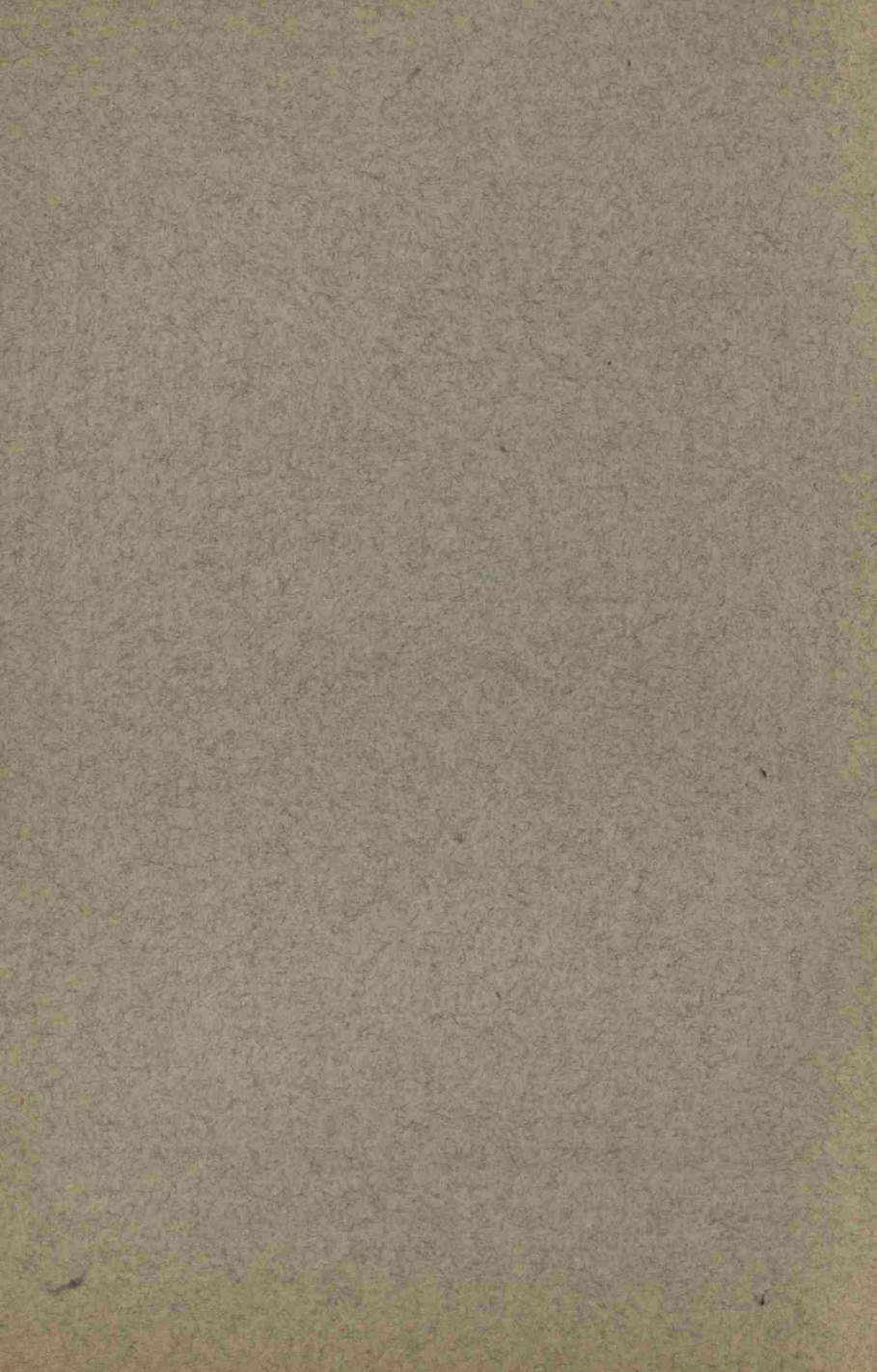


MEDICAL DEPARTMENT

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The Bulletin of Vanderbilt University is published by the University, and is issued every month from February to September, inclusive

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REGISTER

OF

VANDERBILT UNIVERSITY

FOR 1914-1915

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ANNOUNCEMENT

FOR 1915-1916

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MEDICAL DEPARTMENT

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NASHVILLE, TENN.  
PRINTED FOR THE UNIVERSITY  
1915



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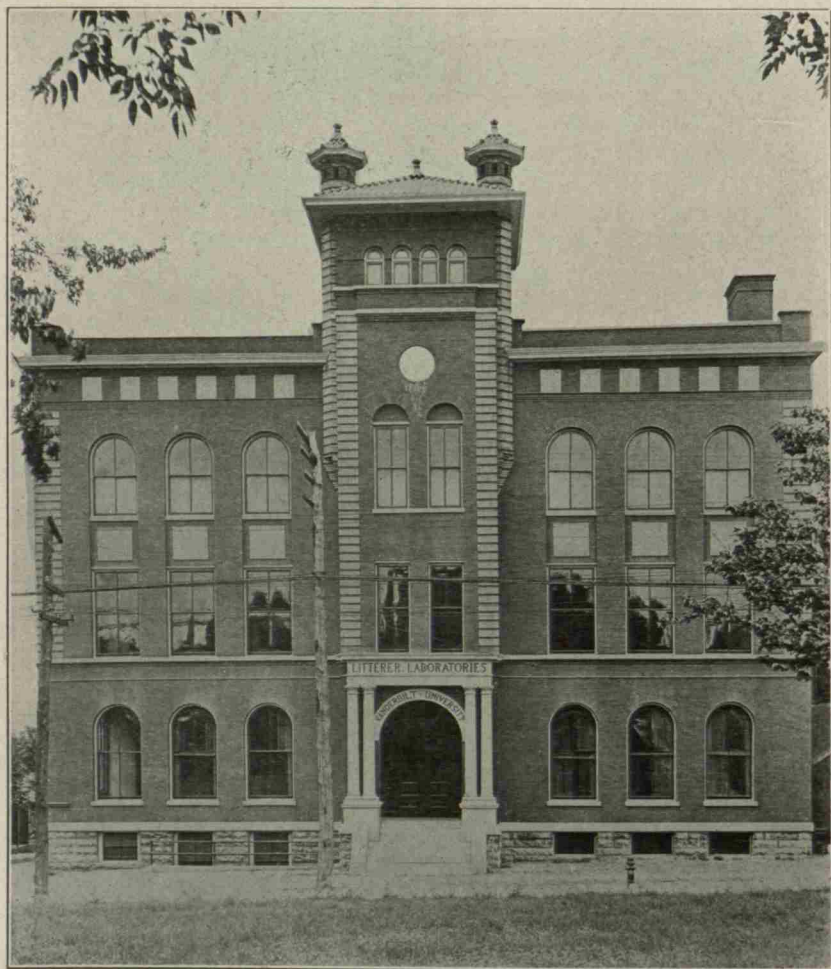
## SPECIAL INFORMATION

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Heretofore the work done by students during their course in medicine was so arranged as to compel them to study several branches at the same time, thus preventing them from giving the proper amount of thought and study to each subject. Recognizing this objection, the work of the coming year for the first and second year students has been so arranged that they will not have more than two subjects to study at the same time, and daily recitations will be given on these two subjects until they are completed. It is believed that this method will enable the student to concentrate his efforts, and so accomplish much more in a given period of time. In addition, the courses are so arranged that each will be preparatory for the succeeding ones. Thus the study of anatomy and organic chemistry will constitute the work of the first year. A knowledge of both these subjects is essential so that the student may properly understand those which follow, but at the same time do not require special preliminary knowledge other than that specified under entrance requirements. The first part of the second year will be taken up with physiological chemistry and bacteriology, and following these, physiology, materia medica, pharmacology, and pathology. From this brief resume it will be seen that every effort will be made to train the student so that he may enter his junior year well prepared in the fundamental branches, thus enabling him to apply this knowledge in his dispensary and bedside work.

The same principle of concentration, in teaching, is carried out in the third and fourth classes. The subjects are arranged in sequence so that a student may take up a subject and complete it. Special stress is laid on teaching each subject thoroughly and not in preparing students for simply passing an examination. In many subjects a student is graded on his attendance, recitations, monthly examinations, bedside and laboratory work.

The first three hours of the morning are given up entirely to recitations; during the remainder of the day, the advanced classes are divided into small sections and placed in the laboratories, the wards of the hospitals and in the out-patient department. This method of instruction gives each student an opportunity to apply his theoretical knowledge in a practical way.



LITTERER LABORATORY OF BACTERIOLOGY

Trustees a proposition to enlarge these resources by a gift of \$1,000,000, \$200,000 to be used in erecting and equipping a new laboratory, and \$800,000 to be reserved for endowment. The condition of this gift was that the immediate management of the educational and scientific work of the Medical Department be put in the hands of a Governing Board of seven members. The terms of Mr. Carnegie's proposition were promptly accepted, a Governing Board was appointed by the Board of Trust in June, 1913. This donation of Mr. Carnegie will ever remain the most significant fact of the history of the Medical Department, as it marked the beginning of its great development.

#### THE LITTERER LABORATORY

Mr. William Litterer, a philanthropic capitalist of Nashville, has donated to the Medical Department, the former medical building of the University of Nashville, to be devoted to a laboratory designed for bacteriological research. This building has been thoroughly renovated and specially fitted for the purposes for which it is designed, and will be opened August 1st, 1915.

#### 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 this campus are located about thirty buildings, devoted to the uses of the Academic, Biblical, Pharmaceutical, and Engineering Departments. The Law Department is located in its own building on Fourth Avenue, North.

### SOUTH CAMPUS.

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 comprise laboratories, lecture rooms, class rooms and demonstration rooms.

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.

### VANDERBILT HOSPITAL.

The Vanderbilt Hospital, accommodating 100 beds, all used for clinical purposes, sustained by the Medical Department, is located on the corner of Fifth Avenue, South, and Elm Street, two blocks west of the South Campus. 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.

In connection with the outdoor department is provided a special clinical laboratory, in which students do the work under proper supervision.



## THE GALLOWAY MEMORIAL HOSPITAL.

Vanderbilt University has given to the Board of Trustees of the Galloway Memorial Hospital a site for the institution on the southwest 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 one of the units is well under way.

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

## CITY HOSPITAL.

The City Hospital, located two blocks from the South Campus, with its 165 beds and large outdoor department, furnishes daily clinics and bedside instruction for the third and fourth-year classes.

## CALENDAR.

## SESSION 1915-'16.

1915.

SEPTEMBER 29, WEDNESDAY—Session begins.

SEPTEMBER 24-25—Examinations for Advanced Standing.

SEPTEMBER 27-28—Examinations for Removal of Conditions.

NOVEMBER 25, THURSDAY—Thanksgiving Day. A Holiday.

NOVEMBER 26—Holiday.

NOVEMBER 27—Holiday.

DECEMBER 23, THURSDAY,

TO

JANUARY 3, 1916, MONDAY

{ Christmas vacation from  
the evening of Wednesday,  
Dec. 22, to the morning of  
Monday, Jan. 3, 1916.

1916.

JANUARY 21, FRIDAY, Intermediate Examinations begin.

FEBRUARY 1, TUESDAY—The Second Term begins.

FEBRUARY 22, TUESDAY—Washington's Birthday—a holiday

MARCH 30, APRIL 3—Spring Recess.

MAY 27—Founder's Day. Contest for Founder's Medal at 8 P.M.

MAY 29, MONDAY—The Final Examinations begin.

JUNE 11—Commencement Sermon.

JUNE 14, WEDNESDAY—Commencement Exercises.

SPECIAL NOTICE—All candidates for the removal of conditions and for advanced standing must be present and ready on above dates, otherwise a fee of \$5.00 will be charged for such examinations. All students must be present and in attendance on October 1.

No student will be admitted to the Sophomore Class with entrance conditions; to the Junior Class, with freshman conditions; to the Senior Class, with sophomore conditions.

### REQUIREMENTS FOR ADMISSION.

The completion of the standard four-year high school course covering at least fourteen units, and an additional year in college, which must include courses in Chemistry, Physics, Biology, and one modern language.

The standard four-year high school course must include seven required units as follows: English, 2 units; Mathematics 2 units (Algebra and Geometry); Foreign Languages (Latin, Greek, German, and French), 2 units; American History and Civics, 1 unit.

The course for the remaining seven units is elective, and may be selected from the following branches: English Language and Literature, Foreign Languages (Italian, French, Latin, Greek, German, and Spanish), Advanced Mathematics, Natural Science, Chemistry (1 year), Physics (1 year), and Biology, Botany, Physiology and Zoology ( $\frac{1}{2}$  to 1 year), Earth Science—Physical Geography, Geology and Agriculture ( $\frac{1}{2}$  to 1 year), Astronomy ( $\frac{1}{2}$ -year), Drawing ( $\frac{1}{2}$ -year), History—Ancient, Medieval and Modern—and English (1 year each), Economics ( $\frac{1}{2}$ -year), Manual Training (1 year), Bookkeeping ( $\frac{1}{2}$  to 1 year).

One unit in any subject is the equivalent of work in that subject for four-five (4-5) periods per week, for a year of at least thirty-six (36) weeks; periods to be not less than forty-five (45) minutes in length.

The preliminary college year should extend through one college session of at least thirty-two (32) weeks of actual instruction, including final examinations.

All credentials must be passed upon by the General Committee on Credentials of the University and also by the State Board of Preliminary Examiners, and by the Dean of the Medical Department.

The total minimum hours, Didactic and Laboratory, are as follows:

SUBJECT	Total Hours Lectures or Recitations	Total Hours Laboratory Work	Total Minimum Hours Didactic and Laboratory
Physics, 1 -----	64	128	192
Chemistry, 1 -----	64	128	192
Biology, 1 -----	64 or 96	128 or 64	128 or 160
German or French, 2 ----	128 or 96	-----	128 or 96
Totals -----	320	384 or 320	704 or 640

### THE PREMEDICAL COURSE.

This course will be given in the Academic Department of the University, and students desiring information concerning this course will write the Dean of that department.

### 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, and which is rated in Class A, and, 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 qualifications 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 Dentistry.

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



## EXAMINATIONS.

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 examinations 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.

Those applying for advanced standing and for the removal of conditions, will be examined September 24, 25, 27, 28 (see Calendar, page 11) on the South Campus.

## REQUIREMENTS FOR A DEGREE.

To be eligible for the degree of Doctor of Medicine, every candidate must fulfill 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.

**THE BEAUCHAMP SCHOLARSHIP.**—(See Mental and Nervous Diseases.)

**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 St. Thomas Hospital.

The appointments made this year are given on page 44.

### 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
Fee for anatomical material, per part.....	2 00
<b>An Athletic fee of \$5.00 is required of all students matriculating on South Campus. Three dollars of this fee gives the student admission to all athletic contests on Dudley Field, which includes football, basket ball, baseball, and track; the remaining \$2.00 extends to the student the privilege of shower baths, tennis courts, athletic field, recreation hall, and the Y. M. C. A. reading rooms on South Campus.....</b>	<b>5 00</b>
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
Board, room, and laundry, per month.....	\$20 to 30 00
Microscopes, see page 28. Instruments can be purchased on annual instalments as follows:	
Microscope—Price, \$67.50; four instalments at.....	16 85

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.

Graduation fees are due April 1st.

### WITHDRAWALS.

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

### FACILITIES FOR INSTRUCTION.

As the laying of the proper foundation is an essential to the more advanced work in the study of medicine, ample provision is made to meet this demand in the complete equipment of the various laboratories, both with apparatus and material needed for thorough teaching.

These laboratories include those of Chemistry, Anatomy, Histology, Physiology, Pharmacology, Pathology, Bacteriology, and Clinical Microscopy. For the amplification of the course in each of these, see the extended description of the work in each of these departments.

Clinical instruction, which forms a most important feature of the course, is provided for by the advantages of the City Hospital and the Vanderbilt Hospital, as well as the outdoor Clinic and Dispensary.

Medical and surgical clinics and bedside instruction are held daily in both of the hospitals, and the outdoor Clinic and Dispensary furnishes ample material, which is used for practical instruction to sections of the classes, where under the supervision of instructors each student is taught how to investigate, record, diagnose, and treat patients according to approved clinical and laboratory methods. To advanced students certain cases medical, surgical, and obstetrical are assigned for home treatment, under the direction of instructors.

Each senior student serves as surgical dresser and clinical clerk in the Vanderbilt Hospital. The duties of these positions include the examination of blood, urine, sputum, and

such other clinical and laboratory work as individual cases may demand or the clinician may require for a thorough study of the condition presenting. They are also taught how to administer anæsthetics, both local and general, and opportunity is offered from time to time, in the clinics, for practical experience in acquiring skill in this most essential factor in the art of surgery.

### 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 five thousand volumes, numerous pamphlets and complete files of all the leading American and foreign periodicals.

### HOSPITALS.

The hospital facilities embrace the clinical material furnished by the Vanderbilt Hospital, the City Hospital, the Central Hospital for the Insane, the Davidson County Tuberculosis Hospital and the Davidson County Isolation Hospital, giving ample opportunity to students of the third and fourth classes in ward class work and in the outdoor departments. Upon the completion of the Galloway Memorial Hospital, its clinical facilities will also be under the control of this department.

### STUDENT ORGANIZATIONS.

#### VANDERBILT Y. M. C. A.

The Vanderbilt Young Men's Christian Association is now the best known and well recognized organization in the student life on South Campus. It has the largest and most representative membership of any student organization in the University. The aim of this Association is to serve each student to the utmost by affording him wholesome companionship, by providing opportunities for making friends of those whose ideals in life are inspired by the Christian spirit, and by co-operating through each faculty in maintaining a sane, vigorous interest in all the worthy activities of



the student and in the life of the University itself. The Y. M. C. A. is interdenominational in character, evangelistic in practice, missionary in spirit, and Christian in purpose. The Vanderbilt Association is a member of the International Organization of North America, and is affiliated with the World's Student Christian Federation, and with the Student Volunteer Movement.

The Board of Directors of the Vanderbilt Association employs a full time Secretary, whose duty it is to supervise the Association activities in its various departments. Phil B. Trigg, the present Secretary, and who has been with us for the past two years, will serve the Association again this year.

The following are some of the Association activities on South Campus. A student reading and rest room with the best medical and literary magazines is provided, and is open to all the college students; shower baths, tennis and all other forms of athletics, such as basket, base and foot-ball are provided for the physical development of those who desire it.

Bible, Mission and Social study classes are organized by and for the students, for the purpose of study, inspiration and practice. The religious meetings are conducted on Sunday at 2 P.M., in College Hall. Prominent and well known speakers from the city and faculty of the University are invited to deliver lectures upon interesting problems, as have to do with social, moral, scientific and religious questions of society. These meetings have proven most helpful to the student life on South Campus.

Membership in the Association is purely voluntary, and the work is supported by voluntary contributions from its members, from members of the Vanderbilt faculty and friends of the Alumni.

The Ladies' Auxiliary of the Association was organized by some of the most prominent ladies in the college community, to further serve the needs of the Association, and provide social entertainment for the students of the University.

#### STUDENTS' MEDICAL SOCIETY.

One of the most effective organizations in the Medical Department is the Students' Medical Society. Its objects are to cultivate a greater fellowship among the students of



this Department, to inspire a deeper interest in medical literature and research, and to train men to prepare and deliver papers on scientific subjects,—in brief, to give its members a training which can be calculated to insure them a maximum of power and usefulness in their professional life. Membership is open to any student of the Medical Department, and the present membership includes a large number of the strongest men in the University.

Beginning with 1915-16, the Society will have at its disposal two Faculty Prizes,—a first prize of one-half credit on a \$70.00 microscope or books to the value of \$35.00; a second prize to consist of any three standard volumes to be selected by the winner from the University Book Store. Competition for the above prizes is open to every member of the Society, each member having the privilege of submitting one paper during each year, and writing upon any subject that may appeal to him.

#### ATHLETICS.

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 faculty. There are good boarding houses near the South Campus. Students so desiring can live in the dormitories of the University on West Campus.

#### COURSE OF STUDY.

The course of study extends through four regular sessions, each being nine months in length.

The session is divided into two terms. The first beginning

with the college year and the second beginning February 1, 1916.

For detailed information concerning courses of study for each year see schedule, pages 40-41-42.

### METHODS OF INSTRUCTION.

The rapid progress of medicine and the general demand for higher medical attainments have wrought a marked change in the methods of instruction.

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.

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.

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

## SURGERY AND CLINICAL SURGERY.

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

Associate Professors: DR. EVE, JR., DR. McCABE.

Lecturer on Orthopedic Surgery: DR. BILLINGTON.

Lecturer on Rectal Surgery: DR. PICKENS.

Assistants: DR. BROWN, DR. WILLIAMSON, DR. CRITENDEN.

Anæsthetists: DR. MARR, DR. REYNOLDS.

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 bedside 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 anæsthetics under the guidance of a trained anæsthetist; 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. O. N. BRYAN.

Associate Professor: DR. OUGHTERSON.

Instructors: DR. SMITH, DR. HARRIS.

Assistants, DR. DABNEY, DR. JACK WITHERSPOON, DR. MANIER, DR. FUQUA, DR. AYCOCK, DR. SHOULDERS, DR. REYNOLDS, DR. GIVAN, DR. DABBS, DR. BROWN.

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 al-



together 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 the class is present. Dr. Harris and Dr. Smith conduct similar clinic hours, two every week each.

Dr. Smith, Dr. Manier, Dr. Fuqua and Dr. Aycock conduct section work in the out-door department and wards of the City Hospital—chiefly in the wards. The sections are composed of about ten men each and the work is entirely practical. Students are required to take histories, make physical examinations and such laboratory examinations as their instruction in other departments warrants. As Bacteriology and Hematology are taught in the Junior year, their practical application is required in the ward and dispensary sections. Each student has about twelve weeks of this work—one hour and a half every afternoon. Cases are worked up in the wards and used in the amphitheatre clinics held by Dr. Witt and Dr. Harris.

Dr. O. N. Bryan and associates conduct a systematic course in Physical Diagnosis—using Cabot as a text book. Lessons are assigned and recitations conducted, but the bulk of the instruction is practical—in the wards of the City Hospital. This course involves two hours a week for the entire year.

Altogether the Junior student has about eleven hours a week in Internal Medicine, two-thirds of which is practical.

#### SUMMARY OF INSTRUCTION IN INTERNAL MEDICINE. JUNIOR YEAR.

Didactic: Three hours a week to the entire class: DR. WITT.  
Clinical: (1) Systematic study of Physical Diagnosis—chiefly clinical and in sections (wards of City Hospital). Two hours a week: DR. O. N. BRYAN, DR. MANIER, DR. FUQUA.  
(2) Outdoor Department and Wards City Hospital: Sections of ten eight hours a week for twelve weeks: DR. SMITH, DR. FUQUA, DR. AYCOCK.

- (3) Clinical Amphitheatre of City Hospital and College Hospital: In sections of half the class, three hours a week each section: DR. WITT, DR. HARRIS, DR. SMITH.

Students are graded throughout the year on all work, class room, dispensary, and bedside, and these grades count in the year's standing. At the close of the year every student is required to undergo at the bedside a rigid examination in clinical methods.

### SENIOR YEAR.

Instruction in internal medicine in the Senior year is largely clinical. Dr. Witherspoon gives one didactic lecture each week, taking up such subjects as are not taught in the third year, including chiefly the diseases of the stomach and bowel, cardio-vascular system, focal infections, kidneys, etc. A part of this time is devoted to quizzing on the subject matter of previous lectures. It is the policy to have fewer didactic lectures and Drs. Bryan and Oughterson will meet the students three times a week for classroom work where lessons are assigned in standard text-books and students quizzed and graded, these daily grades counting at the end of the term in determining the student's standing.

Dr. Witherspoon also conducts two clinics a week to entire class. For these clinics special cases are selected each week and the class divided into sections of five who take the history, make all physical and laboratory examinations, together with their diagnosis and suggested treatment, and present the cases to the class one week later in the Professor's presence. These five students are then quizzed by the student body and Professor, who then sums up the case and outlines the treatment based on this report and his examination of the patient. Similar clinics are also conducted three times a week by Drs. Bryan and Oughterson. Many clinical cases are brought before the class from time to time and their progress observed by the student body, thus giving them an opportunity to note the value of treatment and the general progress of the case studied by them. These clinics are held in both the Outdoor Dispensary and Vanderbilt Hospital to one-half of the class each week. 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. For this work, classes are divided into small sections and the work will be conducted at the bedside by Drs. Bryan, Oughterson, Jack Witherspoon, Harris, Shoulders and Jones. Section work is also done in the College Dispensary five hours a week for part of the year under supervision of Dr. Jack Witherspoon. 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. This work in the laboratory, together with writing of histories and strictly bedside instruction under the supervision of the teacher, is insisted upon, believing that the combined methods of examination are essential to their knowledge of diagnosis and treatment.

Each Senior Student will receive about twelve hours a week in internal medicine.

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

Professors: DR. PRICE and DR. WOOD.

Instructor: DR. MOORE.

Assistants: DR. MOORE, DR. EZELL, DR. SULLIVAN, DR. ORR.

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 are given two lectures each week during the second semester, and one clinic each week during the entire session. In the lectures all 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. Review quizzes are held at frequent intervals to clear up points of doubt in the mind of the student and the course is concluded with the final examination.



## BACTERIOLOGY.

Professor: DR. LITTERER.

Assistants: DR. GORTON and MR. GODDARD.

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.—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.

## MENTAL AND NERVOUS DISEASES.

Professor: DR. CROCKETT.

Associate Professor: DR. HARRIS.

Instruction in Neurology extends over the third and fourth years.

## VANDERBILT UNIVERSITY

### 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.

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. FRASER.

Assistant: MR. SIMPSON.

Twenty-four hours a week for fourteen weeks. Total 336 hours.

The instruction in Physiology embraces systematic courses of lectures, practical laboratory work by the students, demonstrations and conferences given in the second year. The students before entering upon their work in this department have been trained in Normal Histology, Anatomy, Organic Chemistry and Physiological Chemistry. 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. The first few sessions of the 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, Respiration, Secretion, Digestion and Excretion, Metabolism, Internal Secretions, Bodily Temperature and the Central Nervous System are then systematically studied in the order given. In the laboratory the necessary experiments are conducted upon the lower animals, mammals under anæsthesia, or on man, the class being divided into groups of two or four students each. A full equipment of the necessary apparatus is supplied to each group. Each student is required to keep a detailed record of the observations made, including tracings. At special conferences of the class held throughout the course the work done by each group is reported and the findings of the various groups are compared and discussed. Some of the more complicated experiments are given as demonstrations.

### PHARMACOLOGY.

Professor: DR. HAMBLETON.

Demonstrator: DR. FRASER.

Assistant: MR. SIMPSON.

Fifteen hours per week for eighteen weeks. Total 120 hours.

The course in Pharmacology, given during the second year, consists of a systematic 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. SHIEB.

Instructors: DR. LEARY, MR. BYRD, MR. GILL.

Instruction in Chemistry is given by lectures, fully illustrated by experiments, recitations, and thorough laboratory work. It consists of a general course of organic and physiological Chemistry, with special reference to medicine. In the first term, thirty-two lectures and recitations are given in organic Chemistry, and ninety-six hours are given in experiments and analysis and preparation of organic compounds. In the second term thirty-two lectures are given in physiological Chemistry and ninety-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. J. M. KING.

Assistant: DR. J. HOWARD 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.

### PATHOLOGY.

Professor: DR. JOBLING.

Instructors: DR. EGGSTEIN, DR. PETERSEN.

Assistants: MR. T. B. CHRISTIAN and MR. P. H. CHRISTIAN.

The regular course in Pathology will begin March 1st. The course is sub-divided as follows:

(a) *Lectures and Laboratory Work.* Instruction includes recitations, demonstrations, and work in the laboratory. General pathology will be taught by recitations given in association with study of the gross and histological characters of the lesions concerned, and will be illustrated whenever possible by means of experiments. Pathological histology will be studied by means of well prepared loan sections and the important points in each section will be demonstrated by means of lantern slides. Not only is the student required to study these sections, but he will also be required to draw and write full descriptions of all the lesions present. In addition the student will study fresh tissues obtained from autopsies. Recitations daily from 8 to 12 M., from March 1st to June 1st.

(b) *Autopsies.* Autopsies will be performed before the third and fourth-year classes. The students will be instructed in the methods of postmortem examination and in small groups will have the opportunity to practice the methods employed. The same groups will also make a microscopic study of the tissues removed. Special attention will be given to the preparation of postmortem records.

(c) *Gross Pathology.* Fresh pathological tissues will be demonstrated to small groups and this will be supplemented by museum specimens, and by sections prepared from the fresh tissues by freezing.

(d) *Advanced Work and Research.* Those students who have the training necessary for advanced work will be encouraged to undertake special study of problems in histology.

ical pathology and experimental pathology. The laboratories are provided with the apparatus usually employed in such investigations.

### ANATOMY, HISTOLOGY AND EMBRYOLOGY.

Professor: GEORGE M. CURTIS, A.M., PH.D.

Assistant Professor: M. M. MILLER, A.M., PH.D.

Instructor of Anatomy: MR. FRED E. HASTY.

Instructor of Histology: MR. S. J. HOUSE.

Assistants in Anatomy: DR. W. T. BRIGGS, DR. S. S. COWAN,  
MR. J. B. NAIVE, A.B.

Assistants in Histology and Embryology: DR. R. E. WYATT,  
MR. R. JONES, MR. JOHN FRANKLIN.

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 forenoons of the first 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 eight weeks Course 5 is offered, supplementary to the above courses, for the 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 Histology 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 afternoons of the first year of the medical curriculum. (Courses 6 and 7.)

TEXT BOOKS.—Descriptive Anatomy: Howden-Gray Anatomy, Cunningham's Text Book of Anatomy (4th edition). Dissecting Guide: Streeter's Laboratory Guide. Atlases: Spalteholtz Hand Atlas of Human Anatomy, Sobotta-McMurrich Atlas and Text Book of Human Anatomy. Toldt's Atlas. Topographical Anatomy: Treve's Surgical and Applied Anatomy, Davis' Applied Anatomy. Histology: Stohr-Lewis Text Book of Histology, Bohm-Davidoff-Huber Text Book of Histology. Embryology: Bailey and Miller Text Book of Embryology, McMurrich's Embryology (4th edition). Anatomy of the Nervous System: Villiger's Brain and Spinal Cord.



## COURSES.

- I. *Systematic Course in the Anatomy of the Extremities.* Course given in the mornings of the first year. Assistant Professor Miller 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 and mornings of the first 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 VII. 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. Assistant Professor Miller 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.* Eight weeks, forenoons. Dr. Miller, Mr. Hasty 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 50 tracings made from frozen sections, showing the outline and relations of the principal structures of the body.

VI. *Embryology, Histogenesis, General Histology, and Organology.* Afternoons daily until April. Professor Curtis and assistants.

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 consideration of its development and histogenesis.

VII. *Gross and Minute Anatomy of the Central Nervous System and Organs of Special Senses.* Afternoons daily from the first of April. Professor Curtis and assistants. It includes a consideration of the development of the nervous system and sense organs, illustrated by charts, models and demonstrations of serial sections; a study of the finer anatomy of the organs of special senses, followed by a complete dissection of the human brain and a study of prepared sections, both macroscopic and microscopic, of the brain, brain stem and spinal cord.

#### 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.

### 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 and recitations 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 given instruction in the outdoor department of the Vanderbilt Hospital.

## ANAESTHETICS.

Instructors: DR. MARR, DR. REYNOLDS.

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

## MATERIA MEDICA AND PHARMACY.

Instructor: DR. SANDERS:

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 dispensaries.

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.

### EXPERIMENTAL MEDICINE.

Instructor: DR. PETERSEN.

The department of Experimental Medicine has been established in order to facilitate the application of scientific discoveries to practical medicine, and to co-ordinate the work of the other scientific and clinical departments.

Opportunities for research will be afforded to volunteer workers who have had the required training, and who can give sufficient time. A limited number of students who have the training necessary for advanced work will be permitted to study special problems in this department. The selection of such students will depend upon their fitness for this work.

### CLINICAL MICROSCOPY.

Instructor: DR. MAXWELL.

Junior year.

First term. The course consists of two recitations each week and thorough laboratory training in the chemical, microscopical, and bacteriological examinations of blood, urine, feces, sputum, gastric contents, exudates, secretions, etc.

Senior year.

Recitations two hours each week for first term. The laboratory work will be entirely practical. The students will be required to make complete laboratory examinations on patients in out-patient department. The diagnostic value of the tests will be emphasized.

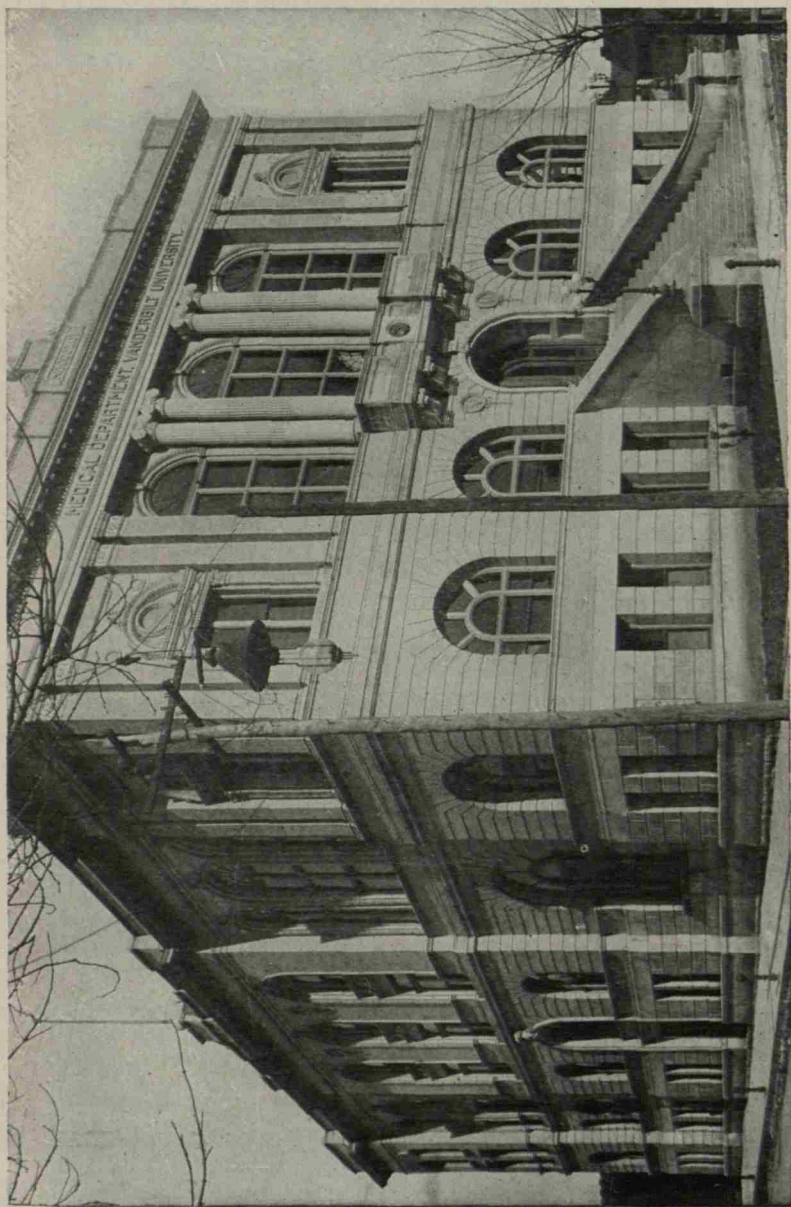


## SCHEDULE—FIRST YEAR—1915-16

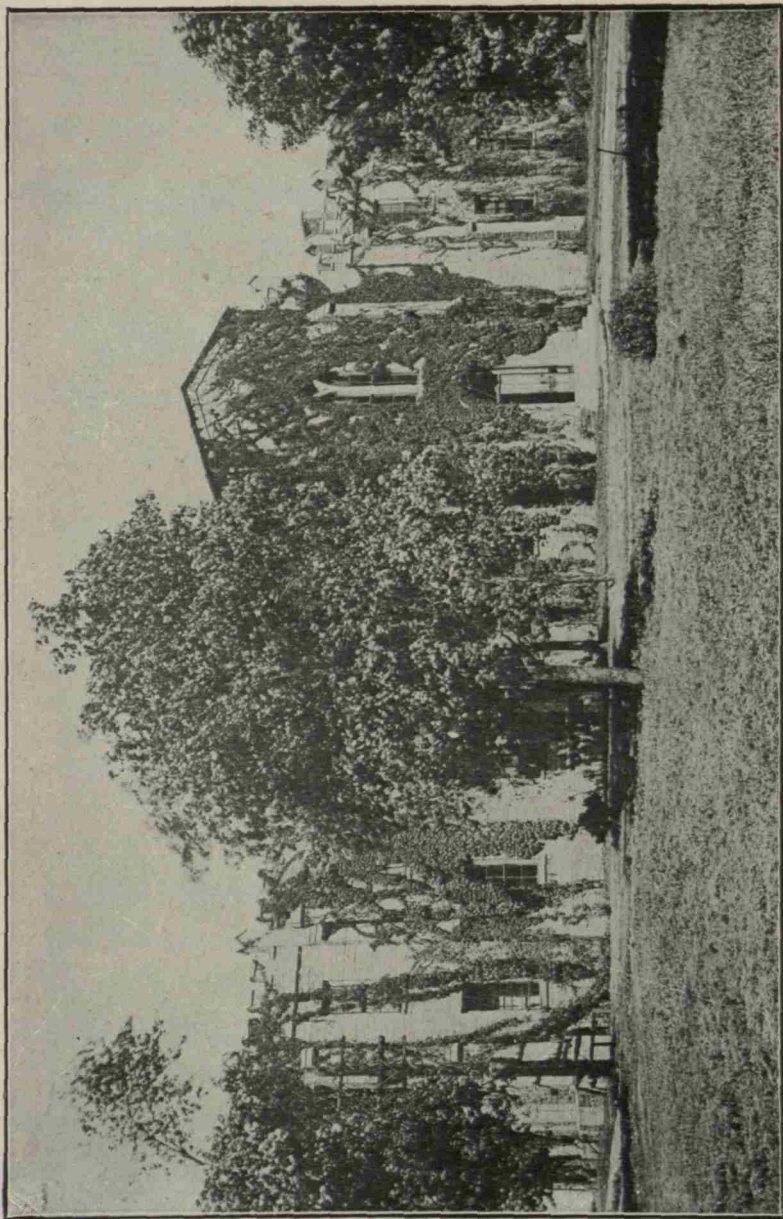
	FIRST TERM					SECOND TERM				
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
8:15	Practical Anatomy						Topographical Anatomy			
9:15							Organic Chemistry			
10:15										
11:15										
1:30	Embryology, Histogenesis, Histology and Organology				Anatomy of the Nervous System & Special Senses			Laboratory Organic Chemistry		
2:30										
3:30										

## SCHEDULE—SECOND YEAR—1915-16.

	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	May	June
8:15	Physiological Chemistry		Physiology				Pathology			
9:15										
10:15										
11:15										
1:30	Bacteriology				Materia Medica and Pharmacy		Pharmacology		Normal Physical Diagnosis and Therapeutics	
2:30										
3:30										



VANDERBILT UNIVERSITY HOSPITAL AND CLINIC



CENTRAL HALL—SOUTH CAMPUS.



## Schedule of Lectures, Clinical Laboratory, and Ward Class Work—Third Year

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:15	G Surgical Anatomy Children*	G Surgical Anatomy Children*	G Venereal Diseases Gynecology*	G Venereal Diseases Gynecology*	H Orthopedics Ear, Nose, Throat*	H Orthopedics Ear, Nose, Throat*
9:15	G Medicine	G Nervous and Mental	H Medicine	H Nervous and Mental Dis.	G Medicine	G Bacteriology*
10:15	E Physical Diagnosis	H Principles of Surgery	E Physical Diagnosis	H Principles of Surgery	H Practical Therapeutics Obstetrics*	H Minor Surgery Obstetrics*
11:30 to 1 p.m.	Clinic Medicine City Hospital 1-2 Class  Laboratory Bacteriology 1-2 Class	Clinic Medicine City Hospital 1-2 Class  Laboratory Bacteriology 1-2 Class	Clinic Medicine City Hospital 1-2 Class  Laboratory Bacteriology 1-2 Class	Clinic Medicine City Hospital 1-2 Class  Laboratory Bacteriology 1-2 Class	Clinic Medicine Vanderbilt Hospital 1-2 Class  Laboratory Bacteriology 1-2 Class	Clinic, Neurology and Medicine Vanderbilt Hospital 1-2 Class  Laboratory Bacteriology 1-2 Class

## CLINICAL PROGRAM—CITY HOSPITAL

2 p.m. to 4 p.m. 1-2 Class	Eye, Ear, Nose and Throat	Gynecology	Genito Urinary Venereal	Surgery	Surgery*	
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1-8 Class Out-Patient Department Medicine—City Hospital

1-8 Class Out-Patient Department Surgery—G U and Gynecology—City Hospital

1-8 Class Bedside Work at City Hospital.

1-8 Class Bedside Work City Hospital.

\*Means SECOND TERM.

## SCHEDULE OF LECTURES—FOURTH YEAR.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:15	H Gynecology Surgery X (Barr)	H Gynecology Surgery X (Barr)	G Eye Obstetrics	G Eye Obstetrics X	G Children Surgery X (McGannon)	G Children Surgery X (McGannon)
9:15	K Obstetrics Genito- Urinary X	K Obstetrics Genito- Urinary X	K Surgery (Haggard) Electro-Ther- apeutics X	H Clinical Microscopy Medical Jurisprudence X	H Clinical Microscopy Medical Jurisprudence X	K Surgery (Haggard) Proctology X
10:15	G Medicine	G Surgery (Eve)	G Surgery (Eve) Hygiene X	E ClinicChildren 1-2 Class Nervous and Mental Dis. 1-2 Class	G Medicine	G Dermatology
Vanderbilt Hospital 11:30 to 1 P.M.	E Medical Clinic 1-2 Class Surgical Clinic 1-2 Class	E Medical Clinic 1-2 Class Eye, Ear, Nose & Thr. 1-2 Class	E Medical Clinic 1-2 Class Gynecology Clinic 1-2 Class	E Medical Clinic 1-2 Class Surgical Clinic 1-2 Class	G Medicine	G Medicine

## SENIOR CLASS CLINICAL PROGRAM VANDERBILT HOSPITAL.

CLASS IS DIVIDED INTO NINE SECTIONS.

2 TO 4 P.M.

- Section 1—Surgical and Gynecological Laboratory.
- Section 2—Clinical Microscopy Laboratory.
- Section 3—Out-Patient Department—Medicine.
- Section 4 {  $\frac{1}{2}$  Section Out-Patient Department—Surgery.  
          {  $\frac{1}{2}$  Section Out-Patient Department—Gynecology.
- Section 5 {  $\frac{1}{2}$  Section Out-Patient Department—Genito-  
          Urinary.  
          {  $\frac{1}{2}$  Section Out-Patient Department—Eye, Ear,  
          Nose and Throat.
- Section 6 {  $\frac{1}{2}$  Section Out-Patient Department—Medicine.  
          {  $\frac{1}{2}$  Section Out-Patient Department—Microscop-  
          ical Diagnosis.
- Section 7 {  $\frac{1}{2}$  Section Bedside Work Vanderbilt Hospital—  
          Medicine.  
          {  $\frac{1}{2}$  Section Clinical Clerks and Surgical Dressers.
- Section 8 {  $\frac{1}{2}$  Section Bedside Work—Children (Tues. and  
          Thurs.) Nervous and Mental (Mon., Wed., Fri.)  
          {  $\frac{1}{2}$  Section Bedside Work—Gynecology (Tues.  
          and Thurs.) Surgery (Mon., Wed., Fri.)
- Section 9— $\frac{1}{2}$  Section, Act as Assistant to Operator in Amphitheatre on the following branches:
- MONDAY—Eye, Ear, Nose and Throat. TUESDAY—Surgery and Gynecology. WEDNESDAY—Obstetrics. THURSDAY—Rectal Diseases and Orthopedics. FRIDAY—Skin and X-Ray Electro-Therapeutics.

A section will visit Central Hospital for the Insane in rotation every Saturday.

Obstetrical Cases will be assigned to each student.

Autopsies 4 P.M.



## 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, *Dean*.  
Eve Bldg., Church St., Nashville, Tenn.

## HONORS.

*Founder's Medal*—LATTIE GRAVES, Kentucky.

*Scholarship in Third Year*—J. CLAUDE KIMROUGH, Tennessee.

*Scholarship in Second Year*—LONNIE O. WILKERSON, Tennessee.

\**Scholarship in First Year*—WILL COOK SPAIN, Tennessee.

*Beauchamp Scholarship*—PAUL G. POPE, Alabama.

\*Beverly Douglas, Tennessee tied for honors in First Year.

## HOSPITAL APPOINTMENTS, SENIOR CLASS, 1915

J. J. Anderson	Providence Sanitarium	Waco, Texas.
W. R. Arrants	St. Thomas Hospital	Nashville, Tenn.
J. O. Belue	U. S. Marine Hospital	Ellis Island, N. Y.
W. P. Bowen	Mt. Zion Hospital	San Francisco, Cal.
W. H. Brandau	Jefferson Hospital	Roanoke, Va.
F. B. Brewer	St. Thomas Hospital	Nashville, Tenn.
T. H. Brown	St. Vincent Hospital	Toledo, Ohio.
W. S. Chester	Vassar Bros. Hospital	Poughkeepsie, N. Y.
J. E. Childers	Lincoln Memorial Hospital	Knoxville, Tenn.
R. T. Cooksey	Madison General Hospital	Madison, Wis.
C. R. Crutchfield	Vanderbilt Hospital	Nashville, Tenn.
W. J. Core	St. Mary's Hospital	Milwaukee, Wis.
H. P. Cushman	St. Vincent Hospital	Toledo, Ohio.
R. H. Denham	City Hospital	Nashville, Tenn.
M. H. Farmer	St. Vincent Hospital	Birmingham, Ala.
F. F. Fowler	Vanderbilt Hospital	Nashville, Tenn.

O. J. Gee	Charity Hospital	Shreveport, La.
E. W. Harris	Charity Hospital	Shreveport, La.
R. D. Henderson	U. S. Marine Hospital	Ellis Island, N. Y.
Wm. Hibbitts	Cotton Belt Hospital	Texarkana, Ark.
H. K. Hinde	Providence Sanitarium	Waco, Texas.
T. W. Holmes	Winona Infirmary	Winona, Miss.
A. E. Johns	State Penitentiary	Nashville, Tenn.
J. L. Johnson	Erlanger Hospital	Chattanooga, Tenn.
T. B. Kelly	St. Anthony's Hospital	Louisville, Ky.
J. D. Lester	St. Thomas Hospital	Nashville, Tenn.
W. R. Manlove	Butterworth Hospital	Grand Rapids, Mich.
C. S. Moss	St. Vincent Hospital	Birmingham, Ala.
O. G. Nelson	Huchow Hospital	China.
L. B. Nicholson	N. Y. Polyclinic Hospital	New York.
C. W. Price	Vassar Bros. Hospital	Poughkeepsie, N. Y.
C. R. Pollock	Pollock Hospital	Rocky Ford, Colo.
J. W. Rock	City Hospital	Nashville, Tenn.
S. T. Ross	St. Thomas Hospital	Nashville, Tenn.
F. B. Rossen	Mt. Zion Hospital	San Francisco, Cal.
L. Siebenmorgan	St. Anthony's Hospital	Terre Haute, Ind.
R. J. Smirl	St. Margaret's Hospital	Kansas City, Kan.
E. W. Stone	St. Vincent Hospital	Indianapolis, Ind.
J. H. St. John	Jersey City Hospital	Jersey City, N. J.
S. Swezey	National Jewish Hospital	Denver, Colo.
Irl Thomas	I. C. R. R. Hospital	Paducah, Ky.
W. L. Vickers	Davidson Co. Tuberculosis	Nashville, Tenn.
J. R. Waddell	Vanderbilt Hospital	Nashville, Tenn.
C. P. Waller	County Hospital	San Diego, Cal.
C. D. Walton	City Hospital	Nashville, Tenn.
H. F. Warren	St. Mary's Hospital	Milwaukee, Wis.
T. V. Woodring	City Hospital	Nashville, Tenn.
T. H. Young	City Hospital	Nashville, Tenn.

# MEDICAL DEPARTMENT

## FRESHMAN CLASS

Name	Home Address	Name	Home Address
Bilbro, Wm. Caldwell	Tennessee	Kilgore, Allen M.	Tennessee
Caldwell, Turner Anderson	Tennessee	Lowery, B. W.	Florida
Cox, John E.	Tennessee	McClure, Christopher C.	Alabama
Davidson, Chester Logan	Tennessee	Morgan, Hugh Jackson	Tennessee
Davis, Murray B.	Tennessee	Nelson, Robert G.	Florida
Douglas, Beverly	Tennessee	Noojin, T. B.	Alabama
Dudenbostel, George E.	Illinois	Prothro, Hassel Melton	Louisiana
Edwards, Tom William	Texas	Robertson, Brison Oakley	Tennessee
Emerson, Jno. W.	Tennessee	Sanford, William Val	Tennessee
Fritts, King C.	Tennessee	Schumpert, Noble	Louisiana
Fyke, Will Foster	Tennessee	Shofner, N. S.	Tennessee
Galloway, Joseph Frederic	Alabama	Spain, Will Cook	Tennessee
Hamilton, Charles Marshall	Alabama	Speidel, Roy Edward	Missouri
Hicks, Aclé Vernon	Alabama	Stone, Sidney Ernest	Alabama
Jones, Earl	Louisiana	White, Rex Harry	Texas

## SOPHOMORE CLASS

Anderson, W. H.	Alabama	King, Norman	Texas
Baker, Clark E.	Illinois	Klein, Henry L.	Tennessee
Bartling, Clarence Walter	Missouri	Lewis, Preston O.	Alabama
Becton, James A.	Tennessee	Litterer, J. Henry	Tennessee
Beeler, James Moss	Kentucky	Long, Gross Ransom	Tennessee
Bell, Warren W.	Oklahoma	Lupo, Carl Wilton	Georgia
Binkley, John Frey	Tennessee	Maxwell, Ralph Earl	California
Boone, James L.	Florida	McCullough, Walter A.	Mississippi
Brown, Eldridge Tracy	Alabama	McGill, Samuel Davis	Arkansas
Brown Emmett E.	Tennessee	McMeen, Granberry	Tennessee
Bryan, Nelson A.	Tennessee	McMurray, Carl S.	Tennessee
Bryant, K. A.	Tennessee	McNeil, Clyde L.	Arkansas
Burchfield, George Winston	Tennessee	Mellen, Robert Homer	Washington
Burnett, James Tillman	Tennessee	Mills, Alvin Lee	Florida
Burrus, Swan	Tennessee	Myers, Claude D.	Texas
Camp, Will	Tennessee	Pate, E. E.	Alabama
Cohn, Maurice H.	Texas	Phelps, Bruce Marion	New York
Costen, Fred C.	Arkansas	Pilkinton, Lloyd	Tennessee
Davis, Charles Harold	Texas	Polk, Joseph R.	Alabama
Deaver, Clyde W.	Alabama	Quay, Jno. E.	Texas
Ehrlich, Mortimer A.	Georgia	Reinberger, James Roland	Arkansas
Ellis, M. I.	Florida	Reyer, George William	Tennessee
Fountain, James Andrew	Georgia	Roan, O. M.	Alabama
Gibbs, Dozier Henry	Alabama	Robertson, Chas. A.	Kentucky
Gibson, L. K.	Missouri	Rowe, John F.	Texas
Greer, J. J.	Tennessee	Schoonmaker, G. D.	Iowa
Hagan, Burgess M.	Texas	Scott, Ruby Theodore	Tennessee
Hale, Claude Edwin, Jr.	Illinois	Searight, Matthew W.	Alabama
Hall, Burtis O.	Alabama	Sharp, T. Hilliard	Tennessee
Harmon, Walter S.	Louisiana	Sikes, A. T.	Tennessee
Hayes, Albert G., Jr.	Tennessee	Simpson, John William	Alabama
Herbert, Rogers N.	Tennessee	Simpson, Roy Lee	Alabama
Henderson, Chas. W.	Florida	Simard, Emmitt C.	Alabama
Henderson, Robert P.	Florida	Smith, Leslie McKnight	Texas
Herron, Stanford M.	Tennessee	Stirling, William C., Jr.	Texas
Henry, Oliver P.	Kentucky	Swain, Richard D.	Illinois
Higginson, William	Tennessee	Trentzsch, Philip J.	Wisconsin
Holmes, Roy Jones	Georgia	Tubb, Claude E.	Tennessee
Hudson, Millard F.	Tennessee	Wampler, George M.	Alabama
Hutchings, Edgar Powell	Texas	Watson, George R.	Tennessee
James, David Hamilton	Louisiana	White, Jesse B.	Tennessee
James, Jesse A.	Louisiana	Wilkerson, Lonnie O.	Tennessee
Kaufold, Henry William	Illinois	Wood, Norman I.	Texas
Kazar, Jay Justin	Illinois	Wood, Stirling C.	Texas



# VANDERBILT UNIVERSITY

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## JUNIOR CLASS

Name	Home Address	Name	Home Address
Abercrombie, Eugene	South Carolina	Kirkpatrick, Jere W.	Tennessee
Askew, W. L.	Texas	Kuykendall' P. M.	Texas
Baxter, Thomas Dugan	Texas	Leake, William H.	Florida
Blassingame, Charles D.	Mississippi	Lewis, Milton S.	Tennessee
Bondurant, Alpheus John	Missouri	Leyda, James Harold	Colorado
Bryan, Alanson L.	Minnesota	McCaleb, Walter L.	Tennessee
Bunch, Ray C.	Kentucky	Melton, Edward C.	Mississippi
Carr, Gordon B.	Kentucky	Moore, Thomas David	Kentucky
Chapman, Solomon J.	Tennessee	Norwood, John Kirk	Florida
Clinkscates, Grady S.	South Carolina	Nunn, John A.	Tennessee
Coffey, G. C.	Mississippi	Oglesby, Knowles G.	Florida
Compere, Thomas H.	Texas	Ottow, Albert Frederick Wm.	Wisconsin
Cornwell, Dallis L.	Tennessee	Palmer, Alonzo T.	Missouri
Dougherty, John Allen	Louisiana	Parker, John Henry	Michigan
David, Charles C.	Wisconsin	Peavy, Henry Jackson, Jr.	Georgia
DeBeek, Calvin M.	Illinois	Phillips, Herbert L.	Alabama
Donald, Edwin C.	South Carolina	Pope, Paul G.	Alabama
Donnell, Herbert	Tennessee	Powers, John E.	Tennessee
Donnelly, Arthur D.	Kentucky	Price, Henry L.	Tennessee
Douglass, Roy A.	Tennessee	Ray, Charles W.	Texas
Dyer, Lloyd, E.	Tennessee	Robinson, Lisle B.	Kentucky
Ezell, C. V.	Texas	Sanford, James R.	Tennessee
Fly, James C.	Tennessee	Scheff, Abe	Mississippi
Ford, James A.	Florida	Seale, Enoch Caruth	Mississippi
Foshee, J. C.	Alabama	Sharp, Ara D.	Illinois
Foster, Wm. B.	Alabama	Sisk, Ira R.	Tennessee
Gill, E. G.	Virginia	Smisson, R. C.	Georgia
Goff, Jesse F.	Tennessee	Thaxton, Gerald B.	Texas
Goldberg, Harry H.	Tennessee	Torbett, Bert M.	Texas
Greene, Sumrow S.	Texas	Van Ness, Allan E.	Tennessee
Gregory, David A.	Tennessee	Walker, Granville I.	Tennessee
Hamilton, James H.	Tennessee	Weldon, William A.	Kentucky
Hamner, Lewis H.	Alabama	West, Andrew L.	Georgia
Hefferman, John F.	Ohio	White, Hugh Dickson	Texas
Hinton, Sterling B.	Kentucky	White, Joel J.	Tennessee
Holmes, Albert E.	Florida	Winn, John H.	Tennessee
Husband, William G.	Oklahoma	Wright, Thurman, G.	North Carolina
Johnson, Julius A.	Tennessee	Wyche, George G.	South Carolina
Kimbrough, Claude J.	Tennessee	Yandell, Harry S.	Kentucky

## SENIOR CLASS

Anderson, Joseph J.	Texas	Cushman, Hampton P.	Louisiana
Anderson, S. N.	Tennessee	Dade, Randolph	Kentucky
Anthony, Daniel Harbert	Tennessee	Denham, Robert H.	Tennessee
Arrants, Wm. Ross	Tennessee	Dial, Virgil Andrew	Missouri
Aylen, Walter C.	North Dakota	Ehrlich, Sigo	Georgia
Bailey, Clyde L.	Virginia	Eves, Frank P.	Tennessee
Bailey, Conrad O.	Tennessee	Farmer, Myron H.	Georgia
Barry, Thomas R.	Tennessee	Fowler, Charles C.	Tennessee
Bell, Forrest G.	Michigan	Fowler, Forrest F.	Texas
Belue, Julius O.	Alabama	Fraser, Henry Earl	Kentucky
Bowen, Wm. Porter	Tennessee	Gaw, Roscoe C.	Tennessee
Brandau, Wm. H.	Tennessee	Gee, Othel J.	Texas
Brewer, Frank Benton	Texas	Gillen, George H.	Tennessee
Brooke, George C.	Georgia	Gorton, Levin W.	Louisiana
Brown, Thomas H.	Tennessee	Graves, Lattie	Kentucky
Burnett, Riley W.	Mississippi	Graves, Pelli G.	Kentucky
Burns, E. B.	Mississippi	Harris, Erle W.	Tennessee
Cashion, Wm. A.	Tennessee	Henderson, Raymond D.	Tennessee
Chester, Walter S.	Kentucky	Hibbitts, Wm.	Missouri
Childers, Joseph E.	Mississippi	Hill, Lucius D., Jr.	Tennessee
Cleveland, C. Hal	Alabama	Hinde, Hubbard K.	Texas
Cooksey, Rogers T.	Kentucky	Holmes, Thomas W.	Mississippi
Core, Wm. J.	Tennessee	Houston, Matt F.	Alabama
Crutchfield, Carl R.	Tennessee	Hunt, Kenneth S.	Georgia

Name	Home Address	Name	Home Address
Jackson, Noah Riley	Texas	Rosson, F. Bond	Tennessee
Jenkins, John B.	Texas	Scott, Walter W.	Mississippi
Johns, Amos E.	Tennessee	Siebermorgan, Louis	Tennessee
Johnson, James L.	Arizona	Smirl, Ralph J.	Colorado
Kelly, Thos. B.	Illinois	Smith, Warren Hayes	Tennessee
Law, Wm. P.	Tennessee	Smith, Mouldon	Texas
Lawwill, Stewart	Tennessee	Spencer, Octavius M.	Alabama
Lester, James D.	Tennessee	*Stillely, Marshall A.	Kentucky
Manlove, Wm. R.	Tennessee	St. John, Joe H.	Tennessee
Magee, Robert C.	Texas	Stone, Eldon W.	Kentucky
Markle, Louis	Tennessee	Swezey, Samuel	New York
Miller, Lafayette T.	Texas	Teddle, Gomer	Texas
Moon, Orville B.	Tennessee	Thomas, Irl	Kentucky
Moss, Charles Smith	Tennessee	Vandiver, Horace G.	Alabama
Motley, Robert L.	Mississippi	Vickers, Wilson L.	Tennessee
Nash, Wm. B.	Tennessee	Waddell, John R.	Alabama
Nelson, Oscar G.	Alabama	Walker, Starnes E.	Tennessee
Nicholson, L. B.	Alabama	Waller, C. P.	Tennessee
Olive, Roy A.	Texas	Walton, Charles D.	Tennessee
Page, Woodfin G.	Alabama	Warren, H. Freeman	Texas
Park, Ira O.	Tennessee	Weldon, Dennis F.	Georgia
Parrish, Thomas E.	Florida	Winn, Wm. R.	Tennessee
Pollock, Cary R.	Colorado	Woodring, Thomas V.	Tennessee
Price, Chas. W.	Alabama	Young, Thomas H., Jr.	Tennessee
Rock, John W.	Kentucky		
Ross, Samuel T.	Tennessee		

\*Withdrew: illness.

#### IRREGULARS.

Byrd, Benjamin F.	Mississippi	Goddard, Wm. B.	Kentucky
Chandler, Orville B.	Tennessee	Hall, Jesse L.	Texas
Christian, Paul H.	Georgia	Hasty, Fred E.	Alabama
Christian, Thomas B.	Georgia	Jones, Richard	Louisiana
Franklin, John	Tennessee	Naive, J. B.	Tennessee
Friberg, C. W.	Tennessee	Reams, Glenn H.	Tennessee
Gill, William Davis	Texas	Rucker, Barrington A.	Virginia

#### POSTGRADUATES.

Jones, T. K., M.D.	Texas	Walden, V. A., M.D.	Tennessee
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