New York Post-Graduate
Medical School and Hospital

University of the State of New York

Thirty-sixth Annual Announcement
1919-1920

Second Avenue and Twentieth Street, New York City
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<table>
<thead>
<tr>
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THIRTY-SIXTH ANNUAL ANNOUNCEMENT OF THE
NEW YORK POST-GRADUATE MEDICAL SCHOOL AND HOSPITAL

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ISAAC W. SALISBURY, M.D.
ANNOUNCEMENT
of the
New York Post-Graduate Medical School and Hospital
1919-1920.

In the interval since the publication of the last Announcement of the New York Post-Graduate Medical School and Hospital, a tremendous change has taken place in the medical profession and particularly in medical education. In fact, the personal and professional life of every physician has been markedly changed by the advent of the Great War. With the completion of the War and the victory of the Allied Armies, the leaders in the medical thought in this country and abroad have applied themselves to the problem of medical education. It is a pleasure to record that the New York Post-Graduate Medical School and Hospital fulfilled its traditions during the Great War in two noteworthy ways—first, there was organized, equipped and sent abroad the Post-Graduate Base Hospital Unit, which later became known as United States Base Hospital No. 8. The personnel of this organization consisted of twenty-nine physicians and surgeons detached from service with the Hospital for service with the Unit.

Base Hospital No. 8, or the Post-Graduate Base Hospital Unit was mobilized for foreign service, July 16, 1917; sailed for France August 7, 1917, and began active hospitalisation in the latter part of August, 1917 at Savenay, Loire Inferieure, France. This Hospital became known as Base Hospital No. 8, A. E. F., and was the nucleus for the development of a large hospital center known as Savenay Hospital Center, which from a primary institution of some 400 beds, became rapidly expanded during the ensuing year to a capacity of 18,000 beds and carried on one of the most important functions of a debarkation center for the sick and wounded of the A. E. F.

The second most noteworthy event was the close association and collaboration with the War Department in the instruction of medical men for foreign service. By mutual arrangement intensive and practical courses of study were organized and carried out by and with the aid of the War Department in all the major branches of surgery, orthopedic surgery, neurology, laboratory specialties, etc. In fact it may be stated that these two activities of the New York Post-Graduate Medical School and Hospital both abroad and at home constituted its most noteworthy achievements during the period of 1917-1918.

The rearrangement of physicians in regard to their own practice, and the desire upon the part of many to change the site of their professional life, has resulted in great changes in the student body as it pertains to post-graduate education. The remarkable contributions of war surgery, medicine and the laboratory sciences together with the great problem of functional and anatomical reconstruction of the wounded; the reeducational problems associated with the economic capacity of the wounded individual to be self-sustaining, represents a readjustment in the viewpoint of all institutions teaching medicine. The Post-Graduate Medical School and Hospital has been particularly fortunate in having the Hospital utilized both in the matter of personnel and equipment for active war surgery, and for problems of a home hospital during war time.

The new developments in the surgery of joints, in surgery of the chest, cranial surgery, in neurological surgery; the recent advances in surgery of bones and fractures, simple or complicated; of osteomyelitis; the rapid development of mechanical appliances, prosthetic apparatus, the accumulative experience in orthopedic Surgery, the new methods of mobilization in contractures and flexions,—are all enshrined in the collective experience of the professional personnel of teachers at the New York Post-Graduate Medical School and Hospital.
In submitting this Announcement with a résumé of some of the most important courses offered, and with particular attention paid to the development of what may be termed the newer phases of medical education, the Directors are confident that this Institution for education and re-education of students coming to New York. The outstanding feature making for progress from the student's point of view, is the fact that all subjects in medicine and surgery, in the specialties, in laboratory sciences, are carried on at the Post-Graduate under one roof. There is essentially no loss of time to the student, incident to travelling from one institution to another, so that the greatest factor making for progress and intensive study upon the part of the student is the fact that he can obtain all of his teaching within the one group of buildings. The unexcelled facilities of New York offer abundant clinical material for the most diverse conditions, as well as giving a frequency to the more common operations. The Seminar form of teaching means a distinctive advance toward specialization, enabling the prospective student in a specialty, to obtain concentrated, intensive teaching in the specialty that he desires. The result gained in this form of teaching, is that the student mind is constantly directed in the one line of study that he wishes to embrace. We are able to announce seminar teaching in almost all forms of medical instruction. After all great wars the trend of medical thought has changed. The historic medical centers—Vienna, Berlin—have for practical purposes ceased to exist. The trend in medical pedagogy is surely within the grasp of America. The trend of events points to the development in New York City of a tremendous medical center. The unlimited clinical material of New York will be utilized more extensively for medical teaching, and the Directors are confident that the New York Post-Graduate Medical School and Hospital will participate in a large measure in this advancement toward the goal of successful graduate medical instruction. The Buildings. The New York Post-Graduate Medical School and Hospital occupies a group of buildings on the Northeast corner of Second Avenue and Twentieth Street, a district extremely rich in clinical material. The buildings as modern and fully equipped with every clinical facility. The various teaching departments are in intimate association with the Hospital, thus providing the possibility for close inter-relationship between teaching and hospitalization. The Hospital. The Hospital comprises approximately twenty-eight general wards with a total bed capacity of 407 beds. The wards are divided into eight surgical, four medical, one urological, one ophthalmic, one ear, eye, nose and throat, four orthopedic and eight baby wards. The private corridors and semi-private section contain 194 beds, and in close association are two well equipped roof gardens, and a number of court sleeping porches. The Operating Department embraces one entire floor, and consists of one large amphitheatre and six operating rooms for individual and "close up" instruction. Adjoining the operating rooms are smaller rooms devoted to sterilization and the preparation and etherization of patients. The Dispensary. The Dispensary occupies the two lower floors of the building with individual rooms for the various specialties. The equipment is complete and convenienty arranged. Teaching, based upon the material of the Dispensary is an essential part of the curriculum. During the year 1919, 55,479 new patients were examined and treated in the Dispensary, representing 178,285 visits, and giving a daily average attendance of over 600. During the same period over 10,286 minor operations were performed at the Dispensary clinics.
SPECIAL OPERATIVE COURSES.

Not included in the General Ticket and for which Extra Fees are Charged.

Clinical personal teaching in these special departments. Courses limited to small groups of matriculates.

### SEPARATE CLINICAL COURSES

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<th>Course</th>
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<td>Clinical Medicine, Physical Diagnosis, Pathology, and Climatology</td>
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<tr>
<td>Diseases of the Mind and Nervous System</td>
<td>$25</td>
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<tr>
<td>Ear</td>
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<td>Operative Surgery of the Nose and Throat on the Cadaver</td>
<td>$20</td>
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<td>Diseases of the Rectum</td>
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<tr>
<td>Diseases of the Skin</td>
<td>$20</td>
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<tr>
<td>Orthopedic Surgery</td>
<td>$20</td>
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The courses listed above are included in the General Ticket.

### SPECIAL OPERATIVE COURSES

For further information address:

J. Bentley Squier, M.D., Secretary of Faculty, or George F. Cahill, M.D., Assistant Secretary of Faculty.
Gynecology Diagnosis and office treatment.—Dr. Cora Ballard, Tues., Thurs. & Sat., 2 p.m., 10 lessons. Fee, $50.

Gynecology.—Diagnosis and office treatment. Asst. Prof. Danreuther, Mon., Wed. and Fri. 2 p.m. 10 lessons. Fee, $60.

Infant Feeding.—Asst. Prof. Dennett, 12 lessons, 4 weeks. Practical feeding of infants. Fee, $40.

Practical Pediatrics.—Drs. Edelman and Apfle. Mon., Wed. and Fri., 2:30 p.m. Fee, $30.

Laboratory Courses.—Clinical Microscopy, Bacteriology, Pathological Chemistry, Pathological Histology, Surgical Pathology, Sero-Diagnosis. One month $50.

Laryngoscopy, Bronchoscopy and Esophagoscopy. Asst. Prof. Portes. 8 lessons. Fee, $100. (By appointment).


Neurology.—Syphilitic Disease of Nervous System.—Dr. Bowlby. 10 lessons. Fee, $75.


Refraction.—Dr. White. Classes held daily, functional examinations of the eye, glass fitting and use of all instruments. Refraction course 3 mos. Fee, $75.

Radium Therapy.—Dr. Geo. S. Willis. 12 Lessons, Fee, $50. History of Radium; method of application; technique in special diseases.


X-RAY

Special Courses in (1) Technique, (2) Interpretation and (3) Therapeutic Application of the X-Rays: are given by Assist. Prof. Meyer, and Assistants. Courses are of 6 weeks duration. Each course three days a week, from 2½ to 3 hours a day.

Course No. 1.—Mondays and Fridays 2:30. Saturday 1:30 p.m.

Course No. 2.—Tuesday, Wednesday and Saturdays, 2 p.m.

Optional hour Mondays and Fridays 2 to 3 p.m.

Course 3.—Mondays, Fridays and Saturdays.

Fee for individual courses, $75.

Courses 1 and 2 may be combined in six weeks period. Fee, $125.

Courses 2 and 3 may be combined in a six weeks period, Fee, $150.

These combined courses will be given every other two months.

(Class limited to 8 men per course, minimum 4 men).

Special course including all the above, extending over a period of three months $250.

NEW YORK POST-GRADUATE MEDICAL SCHOOL

DEPARTMENT OF MEDICINE

Professors and Directors of the Department.

Arthur F. Chace, M. D.
Ludwig Kast, M. D.

Professors.

Max Einhorn, M. D.
Robert H. Halsey, M. D.
William E. Deeks, M. D.

Associate Professors.

Robert Abraham, M. D.
Robert A. Cooke, M. D.
Frederick J. Barrett, M. D.

Assistant Professors.

Walter G. Lough, M. D.
Cameron V. Bailey, M. D.

Howard F. Shattuck, M. D.
Nicholas Dobrin, M. D.
Malcolm G. MacNevin, M. D.

Instructors.

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James Devol, M. D.
C. Atonna, M. D.
F. J. Murrey, M. D.
Blake Donaldson, M. D.
Nathan Magida, M. D.
R. D. Roler, M. D.
M. Monash-Lesser, Jr., M. D.
Pegus Bixler, M. D.
Max Grinsman, M. D.
Walden E. Muns, M. D.
Harold E. B. Pardee, M. D.
Frank H. McLaury, M. D.

The teaching in the Department of Medicine is essentially practical. It comprehends the pathology, diagnosis and treatment of medical cases, including affections of the lungs, heart, digestive tract, kidney and circulatory system and infectious diseases. Special attention is paid to constitutional diseases, disturbances of metabolism, general problems of nutrition, and the subjects on the borderline of internal medicine, surgery, neurology and dermatology.

The method of teaching is adapted to the needs of the general practitioner, and offers opportunities to the specialists, and to those interested from the point of view of research. The material for teaching is drawn from the Dispensary of the New York Post-Graduate Hospital, which has a daily attendance of about 1,000 patients, and from the wards of the Hospital. The Hospital has a bed capacity of over 400, and last year treated 10,024 patients. Particular emphasis is laid upon teaching coordination between the medical department and the Laboratories and X-Ray department.

Opportunities for collateral work are offered in the Laboratories in pathology, chemistry, bacteriology, tropical medicine, X-Ray and surgery. The dominant feature of teaching is to bring the student into close contact with the patient, encouraging him constantly to participate in the necessary examinations and to carry them out independently. Included in the clinical course in general medicine is the following:

Clinical lectures in the amphitheatre from 11 to 12 daily, covering the entire field of internal medicine. Bedside rounds from 2 to 3 p.m., on Mondays, Wednesdays and Fridays, offering opportunities for continued observation of cases shown in the lectures, and of cases too ill to be shown in the amphitheatre. Medical Dispensary from 1 to 4 p.m. offering opportunities to personally examine patients, averaging a daily attendance of 50.

To those who desire to go thoroughly into the study of internal medicine and to devote the major portion of their time to this special field, the Medical Seminar is recommended.

The special courses offer the student ample opportunities to become familiar with special forms of disease and the details of diagnosis and therapy. Definite dates for the beginning of these courses may be obtained from the Secretary of the Faculty upon application.
Special Courses.

**Diseases of the Circulatory System.**
Course A.—Professor Halsey and Assistants. 12 lessons. Mondays, Wednesdays and Fridays, 4-5 p. m. Fee, $50.
Physical Diagnosis, with special reference to diseases of the chest, clinic and bedside study, tuberculosis, pneumonia and heart diseases.

Course B.—Professor Halsey and Assistants. 12 lessons. Tuesdays, Thursdays and Saturdays, 4-5 p. m. Fee, $50.

**Physical Diagnosis.**
Prof. Abrahams. Twelve lessons. Fee, $50.
This course includes inspection, palpation, percussion, auscultation, prognosis and treatment. Interpretation of cyanosis, jaundice, edema, study of the fundamental functions of the heart muscle, murmurs, arrhythmias, heart block, valvular, myocardial and peri-cardial diseases; study of lung diseases and their symptoms, early diagnosis of tuberculosis, etc.

**Anaphylaxis and Allergy.**
Associate Professor Cooke. Twelve lessons. Fee, $75.
Problems of anaphylaxis and allergy, with special reference to clinical problems like hay fever, asthma, urticaria, angioneurotic edema, food poisoning including cutaneous tests and problems of immunization. November and April; classes limited to eight students.

**Abdominal Diagnosis.**
Professor Cooke and Asst. Professor Shattuck. 12 lessons. Fee, $50.
Physiology and pathology of abdominal organs; method of taking histories; palpation, interpretation of laboratory findings, as gastric contents, feces, urine, X-ray reports, including differential diagnosis of surgical indications; and the latest principles of therapy. Before and after operation.

**Diseases of the Gastro-Intestinal Tract.**
History; physical signs and symptoms of diseases and their relative importance. Medicinal, dietetic and mechanical methods of treatment. Laboratory tests.

**Constitutional Diseases.**
Asst. Professor Lough. 12 lessons. Fee, $50.
Diagnosis and treatment of diabetes, nephritis, arthritis, gout, arteriosclerosis, hyper-thyrodisis, hypothyroidism, and diseases of the liver and pancreas.

**Diseases of the Stomach and Intestines.**
Asst. Professor Dobkin. 12 lessons. Fee, $50.
This course includes the history of Radiiun; its physics, method of application, technique used in special diseases such as cancer, benign growths, leukemia, tuberculous glands, Hodgkin's Disease, Banti's Disease, superficial blood tumors, nevi and scar tissue formations.

New York Post-Graduate Medical School

The following more extensive courses are offered in the spring and fall of each year to advanced students:

A special course of twelve lessons will be given October 1st and May 1st by Professor Chace and Assistants on "The Recent Advances in Internal Medicine." Instruction given largely in the medical wards. Fee, $50.

A special course of twelve lessons will be given October 1st and May 1st by Professor Kast and Assistants on "Advanced Problems of Abdominal Diagnosis with Special Reference to Neurosis of the Digestive System." Instruction given largely in the medical wards. Fee, $50.

**MEDICAL SEMINAR**

Professor Arthur F. Chace and Ludwig Kast, Directors

<table>
<thead>
<tr>
<th>Course</th>
<th>Professor in Charge</th>
<th>Topics</th>
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<tr>
<td>1.</td>
<td>Prof. Halsey</td>
<td>Internal Medicine</td>
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<tr>
<td>2.</td>
<td>Prof. Cooke</td>
<td>Internal Medicine</td>
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<tr>
<td>3.</td>
<td>Asst. Prof. Dobkin</td>
<td>Internal Medicine</td>
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**DEPARTMENT OF PEDIATRICS.**

Professors.

Henry D. Chapin, M.D., Director.

Goffrey R. Fixx, M.D.

Assistant Professors.

Roger H. Dennett, M.D.

Marshall C. Peake, M.D.

Eli Long, M.D.

Instructors.

Morris Stark, M.D.

M. C. Hill, M.D.

Paul S. Barrett, M.D.

Harry Apell, M.D.

Morris H. Edelman, M.D.

Abolphe DeSanties, M.D.

Fred K. Mason, M.D.

Wallace B. Hamilton, M.D.

George R. Irving, M.D.

The courses offered in Pediatrics are divided into two groups, (I) that arranged to meet the needs of the general practitioner who is constantly called upon to treat infants and children, and (II) for those desiring more detailed instruction.
and who are prepared to devote a longer period and practically all of their time to this subject.

The Babies’ Wards of the Hospital are splendidly equipped, modern in their appointments and furnish abundant material for examination and study. The Hospital attracts not only the ordinary types of disease manifested in early life, but also the rarer and more complex forms, which are sent in for diagnosis and treatment by practitioners and former matriculants. The large number of ambulatory patients visiting the Pediatric Dispensary daily are utilized for demonstration and teaching purposes. During the past year over 1,790 babies were admitted to the wards, and over 12,000 infants and children were cared for and treated in our Dispensary.

Courses for the General Practitioner.

Clinics are held daily, exemplifying the various diseases of infancy and childhood. Surgical diseases of children, and nervous and retarded cases are shown when they are applicable to suitable cases. In this connection the apparatus and technique employed are explained, e.g. for gavage, enteroclysis, thoracentesis, lumbar puncture, sinus aspiration, etc. Many varieties of congenital defects and constitutional disorders are shown, including the syphilitic manifestations and the etiology, pathology, diagnosis and treatment of diseases peculiar to, or distinctive in infants and children are contrasted with adult types, and special emphasis is placed upon their management. No didactic lectures are given, the individual cases only being considered. The practice of infant feeding is stressed, and the home modification of milk is demonstrated.

The different procedures employed in the treatment of infantile disorders are shown when they are applicable to suitable cases. In this connection the apparatus and technique employed are explained, e.g. for gavage, enteroclysis, thoracentesis, lumbar puncture, sinus aspiration, etc. Many varieties of congenital defects and constitutional disorders are shown, including the syphilitic manifestations and dermatological cases occurring in early life.

Practical work on the cadaver is offered in intubation, tracheotomy and lumbar puncture. Matriculants also have access to the wards when accompanied by an Attending Physician or Surgeon, make bedside rounds and witness dressing of surgical cases.

Notice will be posted inviting the attendance of matriculants at necropsies on patient department.

Special Course in Pediatrics.

In addition to the course described above, a Seminar has been arranged for those desiring special instruction in this branch of medicine, occupying practically the entire day. The Schedule in this course has been planned to fully cover the field of Pediatrics, not only from the general standpoint, but from that of preventive and social welfare. Its aim is to prepare physicians to become competent, self-reliant pediatricians, to enhance their value as teachers in this subject, and to prepare them to do some original work in this special field.

The departmental library contains many of the best books on Pediatrics and correlated subjects, besides the current journals published in this country and abroad.

Matriculants are encouraged to extend and supplement the courses by electing subjects in other departments having a distinct bearing on Pediatric practice, such as courses in Pathological Chemistry, Graphic Methods of the Polygraph and Electrocardiograph, Histology, Mental Retardation, and Interpretation of Roentgenologic Findings.

An opportunity will be given those having completed the course to undertake some original work or investigation under the supervision of a professor of the department, or to continue as an associate for further practical work in the outpatient department.
abundant, and matriculates are expected to personally examine cases and perfect themselves in diagnosis. Students are taught the value of the protoscope and sigmoidoscope as a means of diagnosis, and the technique of operation in affection of the rectum and anus.

Surgical Anatomy and Operative Surgery on the Cadaver.

Courses in General Operative Surgery.

Course A.—Professor Heyd and Assistant. Fee, $100. Consists of ten operative exercises and occupies about four weeks. Each exercise is preceded by an illustrated and explanatory lecture. Technical and clinical essentials will be considered in detail during the progress of the work; matriculates are divided into groups of four and perform the operations in rotation. Where two or more operations of the same type are given, the various groups alternate. Classes are held on Mondays, Wednesdays and Fridays at 9-10:30 a.m. and include the following:

General Discussion: Operations:
Surgical technique and general surgical principles.
Surgical "knots."
Ligature Material.
Drainage Material.

Course B.—Asst. Professor Campbell. 10 lessons. Fee, $100. Abdominal and Pelvic Surgery, including:
Hernia.
Gall Bladder.
Small Intestine.
Appendix and Colon of Abdominal Wall and Round Ligaments.

Operative Gynecology on the Cadaver.

Course C.—Asst. Professor Thomas H. Cherry. Fee, $100. Ten operative exercises, occupying about four weeks. Students do the entire operative work. Each exercise is preceded by an illustrated and explanatory lecture. Classes are held on Tuesdays, Thursdays at 10 a.m. and Fridays at 4 p.m.

General Discussion: Operations:
General Gynecological Technical.
Surgical "knots."
Ligature Material.
Drainage Material.

DEPARTMENT OF ORTHOPEDIC SURGERY.

Professor.
P. H. Alger, M.D.

Associate Professors.
Percy W. Roberts, M.D.

Assistant Professor.
Robert E. Soule, M.D.

In this department the specialist as well as the general practitioner will find an opportunity to study the most modern surgical and mechanical principles as they are employed in the treatment of all deformities both congenital and acquired in the young and in adults. The experiences encountered in the great world war has not only greatly broadened the scope of this department but has been the means for developing many new methods of treatment. In addition to the ordinary deformities of civil life, the lessons learned from the war enables us to present this subject from an entirely new standpoint. For some years to come the need of a knowledge of reconstruction principles will be felt in every surgical practice. The technique of the various operations on bones and joints, tendons, muscles and nerves as well as all the new theories for the treatment of poliomyelitis and acute and chronic osteomyelitis in all their phases, will be taught and demonstrated. Special emphasis will be placed on diagnosis, symptomatology, prognosis and treatment.

Both the orthopedic ward and the workshop are at the service of this department. In the orthopedic ward twenty eight children's beds afford an opportunity to study the more common orthopedic conditions and deformities of childhood, while in the workshop cheap but effective splints and braces will be demonstrated. Special attention will be paid to the teaching of the various methods of plaster of Paris technique.

In the special courses general consideration of diagnosis and treatment will be taught, demonstrated and observed in the hospital cases. On the cadaver the operations for non-union, mal-union, loss of substance and function, tubercular bone and joint disease, flat and club feet, bowed and knock knees, etc., will be demonstrated and performed by the matriculates themselves. Also tendon transplants, nerve suture, neurolysis and nerve transplantation will be taught. The technique of the motor driven instruments is an important part of the course.
Special Courses.

Course A.—A practical course for general practitioners in the clinical diagnosis and treatment of orthopedic conditions. Measurements for the application of braces; plaster of paris technique; X-Ray interpretation; vaccines and serotherapy; the treatment of flat feet and nonoperative treatment in general.

Prof. Albee and Assistants, ten lessons. Fee, $50.

Course B.—A course in operative surgery on the cadaver including tendon transplantation for the various forms of paralysis and the new methods for tendon suture in traumatic division of tendons. Nerve suture, neurolysis and nerve transplantation.

Dr. Lee Mayer, sixteen hours work. Fee, $75.

Course C.—A course in operative surgery on the cadaver giving practical instruction in the various operations on the bones and joints; correction of deformities; Tenotomies; technique for arthroplasty for mobility, and arthrodesis; technique of the use of the motor instruments. Bone graft technique.

Prof. Albee and Assistant. Six lessons. Class limited to four. Fee, $100.

Course D.—A two months course for specialists. Matriculates taking this course receive the appointment of "Student assistant" carrying with it exceptional opportunities for practical work in the department. Certificates of proficiency may be issued to those taking the entire course after passing an examination on the subjects covered.

This course includes all the work covered in courses A, B, and C, and consists of the following correlated instruction.

a. Surgical anatomy of the joints.

b. Pathology of bone and joint lesions.

c. Physical diagnosis and treatment of all cases as they present themselves in the clinics.

d. X-ray pathology and interpretation.

e. Serum diagnosis.

f. Bedside instruction in the treatment of nonoperative and postoperative cases.

g. Instruction in the practical nonoperative and the post-operative management of dispensary cases.

h. (Orthopedic workshop) instruction in the practical construction of apparatus including work in steel, aluminum, leather, celluloid, etc.

Course D also includes one comprising six lessons, one case or lecture constituting a lesson. Matriculates may take six lessons in any of the following subjects: Fee, $100.

Open Drop Method: Ether or Chloroform. Anesthetic agent vaporized by air or oxygen.

Semi-Closed Method: Nitrous Oxide Ether sequence. Ether Chloride Ether sequence.


Nitrous Oxide and Oxygen: With or without Ether. (a) For general surgery.

(b) For Obstetrics.

Endovenous Anesthesia: Ether.

Rectal Anesthesia: Ether.

Introduction of Artificial Airways.

Intra-spinal Anesthesia.

Ether Analgesia.

Artificial Respiration and Reanimation.

DEPARTMENT OF GYNECOLOGY.

Instructor.

T. Drysdale Buchanan, Director.

The course in anesthesia is an elective one comprising six lessons, one case or lecture constituting a lesson. Matriculates may take six lessons in any of the following subjects: Fee, $100.

Ether or Chloroform. Anesthetic agent vaporized by air or oxygen.

Nitrous Oxide Ether sequence. Ether Chloride Ether sequence.


Nitrous Oxide and Oxygen: With or without Ether. (a) For general surgery.

(b) For Obstetrics.

DEPARTMENT OF ANESTHESIA.

Professor.

T. Drysdale Buchanan, Director.

The course in anesthesia is an elective one comprising six lessons, one case or lecture constituting a lesson. Matriculates may take six lessons in any of the following subjects: Fee, $100.

Open Drop Method: Ether or Chloroform. Anesthetic agent vaporized by air or oxygen.

Semi-Closed Method: Nitrous Oxide Ether sequence. Ether Chloride Ether sequence.


Nitrous Oxide and Oxygen: With or without Ether. (a) For general surgery.

(b) For Obstetrics.

Endovenous Anesthesia: Ether.

Rectal Anesthesia: Ether.

Introduction of Artificial Airways.

Intra-spinal Anesthesia.

Ether Analgesia.

Artificial Respiration and Reanimation.

NEW YORK POST-GRADUATE MEDICAL SCHOOL
the brain and cord as syphilis. Its well known tendency to invade the vascular system makes the study of this disease essential to the general practitioner. The result of intra-ventricular injection of Arsenic in cases of general paralysis and tabo-paresis, under the supervision of Professor Hammond, will be an interesting part of this course.

All diseases will be examined, classified and presented before the class in a practical manner that will enable practitioners to recognize the types commonly met with in general practice and learn how to treat them. Mild and transitory psychoses, borderland states, and other abnormal conditions that come under the general term of “nervousness” will be given special attention. Drug habituation and psychoses and the larger class of mental defectives will be fully discussed.

The medicolegal aspects of these types will receive due attention, especially from the standpoint of general practitioners.

Special classes will be given in the following subjects:

   This course will offer special facilities for the study and treatment of the various types of nervous, atypical and mentally defective children. It will cover the symptoms of the characteristic and differential diagnosis of the more common psychoses, and psychopathic states, the epilepsies and the psycho-neurotic conditions (Neurasthenia, psychasthenia and hysteria.)

   This course will give practitioners a general knowledge of what is definitely known about the disturbances of the endocrine-sympathetic system. Cases illustrating the most important Syndromes, so often seen in general practice, will be demonstrated and special attention will be given to their treatment. Considering the important role which the ductless glands play in the normal and abnormal functions of other systems, general knowledge of this subject will be of great practical value to practitioners.

   This course will include Hygiene, prophylaxis, the technique of salvarsan and mercurial therapy, lumbar puncture and the diagnostic value of serology, especially in the incipient stage of the disease.

4. A Special Course in Differential Diagnosis and Treatment of Nervous Diseases, by Assistant Professor Joufflin, will be given to two or more men. 10 lessons. Fee, $50.
   This course will give an outline of the Anatomy, Physiology and Pathology of the nervous system and neurological lesions. Methods of examination of the mental and nervous system will be taught and the symptoms diagnosis and differential diagnosis of nervous diseases will be covered in detail.

Laboratory Courses.

5. A course in Serology including the Wassermann reaction and the Lange colloidial gold test and their application in the diagnosis and treatment of syphilis of the central nervous system, is given in the Laboratory Department. Daily, 9-12, one month; Fee, $50.

6. A course in Histological Technique, including laboratory methods particularly applicable to nerve tissue, may be arranged in the Laboratory Department, if applied for by three or more students at one time. One month; Fee, $50.

DEPARTMENT OF ROENTGENOLOGY.

WILLIAM H. MEYER, M.D., Director.

C. W. PERKINS, M.D. L. A. HELD, M.D. HENRY N. BROESSER, M.D.

The use of the Roentgen Ray as a diagnostic and therapeutic measure is so familiar to all that a knowledge of its application in medicine and surgery has become essential to both the general practitioner and the specialist. The reading of Roentgen Rays or fluoroscopic picture is now as necessary a part of a physician’s education, as the knowledge of the appearance of a tubercle bacillus or a urinary cast.

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The equipment of this department is complete, including all necessary apparatus for fluoroscopic and radiographic examinations and Roentgen-therapy, and affords ample opportunity for the practical application of the latest and most efficient developments in medical and surgical diseases. The department is supplied with a large library of radiographs with ample illumination and illuminating devices for thorough study. The facilities for instruction are unsurpassed, and embrace practical work in fluoroscopy, radiography and dark room technique, the development and interpretation of plates. The Hospital, containing over 400 beds, and the Dispensary, averaging over 800 patients daily, provide ample material for the work of this department.

During the past year, 4,710 patients have been examined for the following diseases:

<table>
<thead>
<tr>
<th>Disease</th>
<th>Number of Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Circulatory Diseases</td>
<td>37</td>
</tr>
<tr>
<td>Respiratory Diseases</td>
<td>548</td>
</tr>
<tr>
<td>Gastro-Intestinal Diseases</td>
<td>760</td>
</tr>
<tr>
<td>Urinary Diseases</td>
<td>702</td>
</tr>
<tr>
<td>Joint Diseases</td>
<td>435</td>
</tr>
<tr>
<td>Bone Diseases</td>
<td>1,427</td>
</tr>
<tr>
<td>Practical Dislocations</td>
<td>131</td>
</tr>
<tr>
<td>Foreign Bodies</td>
<td>12</td>
</tr>
<tr>
<td>Total number of plates made</td>
<td>14,540</td>
</tr>
</tbody>
</table>

Matriculants taking the General Course receive from two to three hours instruction weekly, in plate interpretation and Roentgen Diagnosis.

Outline of X-Ray Courses.

Course I. Technique.—Principles and Practice of Roentgenology.


This course is so arranged as to give the student a comprehensive knowledge of the why and wherefore of each step in technique, thereby making him self-reliant in developing his own technique with his own special apparatus.

Course I is given on Mondays, Fridays and Saturdays. Mondays and Fridays from 2:30 to 4:30 p.m. Saturdays from 1:30 to 4:30 p.m. Fee, $75.

Course II. Fluoroscopy and Plate Interpretation.

System in analysis is the key for the successful interpretation of the complex Roentgen picture. Therefore, in this course, special stress is laid on the development of a mental picture according to a definite scheme suited to the case in hand. Each organ is thus studied from its normal, then under its varying pathological conditions. The course offers a general, yet comprehensive survey of the whole field of Roentgenology.

To make an expert in six weeks or three months is impossible, but to lay the foundations for the development of correct interpretation and avoidance of the many pitfalls that lead to erroneous diagnosis, that is the aim of the author.

The course includes diseases of the Lungs and Heart. Gastro Intestinal examinations take up a large share of the time. Roentgenology of Bone and Joint diseases, the Gastro-Urinary tract and diseases of the Skull, Accessory Sinuses and Teeth, are discussed and each receive special attention in routine order and as the cases are presented.

This course is given on Tuesdays, Wednesdays and Thursdays from 2 to 3 p.m. and includes an optional extra hour of fluoroscopy on Mondays and Fridays from 2 to 3 p.m. Fee, $75.

Course III. Roentgen Therapy is divided into three periods:

a. Several preliminary lectures are combined with Course I, i.e. on Assembling, Adjustment and Control of Apparatus, also Operation and regulation of various Tubes with special reference to Therapeutic adaptability.

THIRTY-SIXTH ANNUAL ANNOUNCEMENT OF THE

Filters and their effect. Secondary rays, etc. Action of radiation on normal and pathological tissues.
E. Technique in the Treatment of Superficial and Deep Lesions and Systemic Diseases. Fractional and Intensive dosage, where and how applied.

Multiple Areas Cross Fire method in Deep Roentgen Therapy, etc.

Epitheliomata and superficial malignancy removed by one intensive dose.
Metrorrhagia and Menorrhagia stopped and complete Amenorrhoea produced in
a period of 6 weeks. 3 days a week, 2½ to 3 hours a day.

Courses I and II when combined may be completed in a period of six weeks.
Fee for combined course $125.
These combined courses will be given alternately every three months. Classes are limited to eight men.

A Special Course is offered including all the above courses extending over a period of three months.
This added time gives opportunity not alone for review, but for more exhaustive study of individual cases.
Assistance with exposures and the handling of the fluoroscope will be permitted if desired, as well as instruction in the organization, control and management of X-Ray laboratories. Fee, $250.

Arrangements may be made for advanced instruction in diseases of heart and lungs, the diseases of the genito-urinary tract, the study of gastro-intestinal function and morphology normal or diseased, Roentgenology of diseases of the head and accessory sinuses, and bone and joint diseases.

For limited courses on special subjects, write or consult Director of the Department of Roentgenology, William H. Meyer, M.D. between 10 a.m. and 4 p.m.

DEPARTMENT OF THE LABORATORIES.

WARD J. MACNEAL, PH.D., M.D., Director.
Professor of Pathology and Bacteriology

VICTOR C. MUEHS, M.A., Ph.D.
Professor of Pathological Chemistry

ARTHUR N. TASKER, B.A., M.D.*
Lecturer in Medical Zoology

ANTON R. RONE, M.S., Ph.D.*
Lecturer in Medical Corps, U. S. A.

JOHN A. KILLIAN, M. A., Ph.D.
Associate in Pathological Chemistry

ALFRED E. SHEPHERD, M.D.
Associate in Pathology

LOUISE H. MERRICK, M.D.
Instructor in Bacteriology

MARGARET F. UPTON, M.A.
Instructor in Physiology

A. SPECKLETT,
Instructor in Pathological Chemistry

GLADYS MACCARE, B.S.
Assistant in Pathology

*Temporary leave of absence for Government Service.

The laboratory director may be consulted at the laboratories for further information, between 9 a.m. and 4 p.m.

NEW YORK POST-GRADUATE MEDICAL SCHOOL

The scheduled laboratory courses are designed to give regular instruction adapted to the needs of the general practitioner and to serve as introductions to more advanced laboratory courses, not scheduled below, which are designed more particularly for physicians intending to specialize in laboratory or in public health work.

In the Laboratory of Pathological Chemistry, Course 1 includes the chemical analysis of urine, feces, gastric juice, duodenal juice, milk and blood. Emphasis is placed upon the bearing of these various subjects, upon the physiology of metabolism and upon the insight which they give into the various metabolic disturbances such as diabetes, goit and nephritis.

More advanced courses in Physiological and Pathological Chemistry, in Metabolism and Nutrition, in Toxicological Analysis and Food Analysis are also offered. Special Courses in pathological chemistry may be arranged to suit the needs of properly qualified applicants.

In the Bacteriological Laboratory courses of instruction covering four months are given. Course 5 is an elementary course for those who require a general knowledge of fundamentals of the subject. It includes didactic and practical work in the microscopic study of bacteria, sterilisation and disinfection, preparation of culture media, cultivation of micro-organisms by aerobic, anaerobic and microaerophilic methods, classification and identification of species, relation of parasitic microorganisms to the animal body and immunity.

Course 6 immediately following Course 5 is devoted to the bacteriology of specific infectious diseases, the more important human infections being considered in turn. Course 7 is devoted to Serological Diagnosis with special attention to the Wassermann reaction and the Lange colloidal gold test. Course 8 is devoted to the practical examination of specimens from patients, by microscopic and culture methods.

Four months are required to complete this series of courses. Special work in bacteriology may be arranged to suit the needs of properly qualified applicants.

In the Laboratory of Pathology, Course 9 includes didactic and practical instruction in examination of the blood, estimation of the red and white cells, blood plates, haemoglobin, differential count, coagulation, anemias, leukaemias, malaria; also the examination of transudates and exudates together with staining of bacteria contained in them. Course 10 includes histological technique and the ground microscopic study of normal and pathological tissues, including practical work in surgical pathology and in post-mortem examinations. Two months are required for this course.

The laboratory courses are arranged on a basis of one month units. On account of the necessity of preserving the proper sequence of the courses, each one will begin at the scheduled time and no students will be received into a class after the first day, except by special permission. The courses follow each other, without interval throughout the year. The student may, therefore, begin with any of the elementary courses and be assured continuous work, if he desires.

All laboratory courses are given every day, except holidays, from 9 to 12 a.m. Occasionally courses are given in the afternoon, 1:30 to 5 p.m., to meet the needs of special groups of students.

After the full time has been spent in any of the regularly scheduled laboratory courses, full facilities will be given the matriculate to continue along certain chosen lines, either in application of laboratory work to clinical medicine or in research. The laboratories, moreover, welcome, at any time properly qualified persons, whether they have completed all our laboratory courses or elsewhere, who may desire to pursue researches, either independently or under guidance. It is hoped, however, that only those who are able to devote considerable time each day to such work will undertake it.

First month of any Laboratory course as per schedule, $50.
Second month in same or in any other course consecutively, $40.

For advanced and research work, a charge of $25 per month will be made.
By paying a fee of $200 in advance, the student may obtain a ticket entitling him to all laboratory courses given during a period of six months. The sequence of courses must be arranged by consultation with the Director.
### Schedule of One-month Laboratory Courses

<table>
<thead>
<tr>
<th>Courses in Cystoscopy</th>
<th>Dates</th>
<th>Chemistry Laboratory</th>
<th>Physiological Laboratory</th>
<th>Bacteriological Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Jun-</td>
<td>Course 1</td>
<td>Course 9</td>
<td>Course 8</td>
</tr>
<tr>
<td>B</td>
<td>July</td>
<td>Course 2</td>
<td>Course 7</td>
<td>Course 9</td>
</tr>
<tr>
<td>C</td>
<td>Aug-</td>
<td>Course 3</td>
<td>Course 9</td>
<td>Course 6 or 8</td>
</tr>
<tr>
<td>D</td>
<td>Sept-</td>
<td>Course 4</td>
<td>Course 9</td>
<td>Course 7</td>
</tr>
<tr>
<td>E</td>
<td>Oct-</td>
<td>Course 5</td>
<td>Course 9</td>
<td>Course 8</td>
</tr>
<tr>
<td>F</td>
<td>Nov-</td>
<td>Course 6</td>
<td>Course 9</td>
<td>Course 5 or 7</td>
</tr>
<tr>
<td>G</td>
<td>Dec-</td>
<td>Course 7</td>
<td>Course 9</td>
<td>Course 6 or 8</td>
</tr>
</tbody>
</table>

**DEPARTMENT OF UROLOGY**

**Professor:**
- J. Bentley Squire, M.D., Director
- Joseph F. McCarthy, M.D.

**Associate Professors:**
- James Pedersen, M.D.
- Clarence C. Bandler, M.D.

**Assistant Professors:**
- Colin L. Begg, M.D.
- George F. Cahill, M.D.
- Stanley R. Woodruff, M.D.

**Instructors:**
- Alphonse A. Ween, M.D.
- Johann H. Haag, M.D.
- Maurice L. Stern, M.D.

**Laboratory Course:**
- Joseph A. Hymas, M.D.
- Frederick W. Smith, M.D.
- Maximilian Zigler, M.D.
- F. G. Riley, M.D.
- C. R. O'Keeley, M.D.
- Albert Goldberg, M.D.
- Fred T. Lau, M.D.

The schedule has been arranged for the better orientation of the department, the improved facilities offered matriculants for intensive work and the opportunity it affords former matriculants to pursue their studies in diagnostic and instrumental treatment during hours that are strictly limited to this subject. Under this schedule, where a sufficient number of students have registered, it is possible to complete in six weeks the following courses:

- **Course A**
  - Technique of cystoscopic catheterization.
- **Course B**
  - Cystoscopic and uroscopie diagnosis and treatment.
- **Course C**
  - Operative genito-urinary surgery on the cadaver.
- **Course D**
  - Applied urological laboratory diagnosis.

The Director of the Department cannot too strongly impress upon prospective matriculants the importance of a more prolonged period of application in all this important branch of surgery.

**Courses in Cystoscopy**

**Course A:**
- Professor McCarthy and Assistants. 10 Lessons. Fee $50.

**Course B:**
- 10 Lessons. Fee $50.

**Urological Operations on Cadaver**

**Course C:**
- Professor McCarthy. 12 Lessons. Fee, $100.

The following operations are included:

**Circumcision**
- Operations on Bladder:
  - Mesoctomy
  - Nephrectomy.
  - Partial Cystectomy.
  - Ureteral Implantation.
  - Steps of Supra-pubic Prostatectomy.
  - Perineal Prostatectomy.
  - Seminal Vesiculectomy.
  - Ureterotomy.
  - Epididymectomy.
  - Operations on Kidney:
    - Nephroscopy.
    - Nephrectomy.
    - Pyelotomy.

**Laboratory Course**

**Course D:**
- Professor Myers. Hours 10 to 12 daily. Fee, $50.
THIRTY-SIXTH ANNUAL ANNOUNCEMENT OF THE

DEPARTMENT OF DERMATOLOGY.

Professors.
HENRY H. WHITEHOUSE, M.D., Director.
A. SCHULTZ CLARK, M.D.
Associate Professor.
WALTER J. HIGHMAN, M.D.
Assistant Professor.
OSCAR K. LANG, M.D.
Associate.

Ray S. Nelson, M.D.

DUNLEY D. STETSON, M.D.
Instructor.

OSCAR L. LIEVIN, M.D.

Clinical lectures in Dermatology are given daily by Professors Whitehouse and Clark and Assistants. The Dispensary furnishes an abundance of material for the demonstration of affections of the skin.

Special Course.
A special course is offered in the treatment of syphilis with demonstrations of the administration of Salvarsan, and the intra-muscular injection of mercury. The diagnostic procedures such as the Leutin test, spinal puncture with cell count, the globulin and Wassermann tests are incorporated in this course.

Wednesday and Thursdays are set aside for special instruction in syphilis. The treatment of skin lesions by various forms of electricity, carbon dioxide snow, scopolical and chemical, the chemical examination of blood, and the significance of blood chemistry from the diagnostic and prognostic standpoint.

It is the policy of this department not only to demonstrate a great number and variety of clinical cases, but to give systematic instruction in Ophthalmology. Three months of exclusive application in this department is considered the shortest period of time in which the essentials of the subject can be acquired.

Physicians may select portions of this course, but the complete course is strongly advised.

Schedule of Ophthalmological Seminar. Fee, $400.

Refraction.

Retinoscopy. Physiological Optics. Dr. James W. White.

Diagnosis of syphilis is one of the most important in the physician's armamentarium; the physician becomes thoroughly competent in this branch. Pathological conditions in patients' eyes are then carefully analyzed, and drawings of the lesions present in individual cases are required. Examinations of eye ground are also conducted in the medical, surgical and neurological wards.

The student becomes proficient to correlate definite eye changes with general diseases. Added advantage in etiological diagnosis of eye diseases is procured by a complete physical examination, including the blood, spinal fluid, blood pressure, and X-Ray examination. These examinations are best conducted in a well equipped general hospital.
Thirty-Sixth Annual Announcement of the

Clinical Examinations and Treatment.

Professors Cohen, Davis and Alger.

Clinics are held daily. Patients' histories are recorded and presented by students. The symptoms are noted and discussed, and the patients are then treated.

Operations.

Students attend operations in the operating room. In addition to the preparation of patients and the sterilizing and care of instruments, the details of the technique of each operation and the after care of the patient are considered in the wards.

Operative Course on the Cadaver.

Associate Professor Virden and Assistants.

This course covers a period of three months. Students receive individual instruction two hours weekly. The course embraces the important operations of the eye and adnexa, and includes the preparation of the patient for operation; the after treatment; the care of instruments and the indications and contra-indications for operation.

Miscellaneous Lectures.

Two lectures are given in the X-Ray Department on the localization of foreign bodies in the eye, and on the relation of the accessory sinuses to the eye.

Two lectures are given by Dr. Fridenberg on the medical-legal aspect of eye injuries.

Certificates of proficiency are issued only to those who have completed a six months' continuous course of study in this department (including the Seminar) after a satisfactory examination of each of the subjects, conducted by the professor in charge.

Optthalmological Seminar

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30-10:00</td>
<td>Refraction Dr. James W. White</td>
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<td>10:00-10:30</td>
<td>Laboratory of General Practice and Surgery Dr. Maxine M. Strong</td>
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<td>10:30-12:00</td>
<td>Didactic Seminar on Diseases of the Eye Dr. James W. White</td>
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<td>12:00-1:00</td>
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<td>1:00-3:00</td>
<td>Didactic Seminar on Diseases of the Ear Dr. Jacob Braun</td>
<td>Didactic Seminar on Diseases of the Ear Dr. Joseph Smith</td>
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<td>3:00-5:00</td>
<td>Surgical Seminar Dr. James W. White</td>
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<td>5:00-6:00</td>
<td>Clinic Dr. James W. White</td>
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<td>6:00-8:00</td>
<td>Clinic Dr. James W. White</td>
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New York Post-Graduate Medical School

Department of OtoLOGY.

Professors:

Warren C. McFarland, M.D., Director.

Robert L. Loughe, M.D., Assistant Professor.

H. Beatrice Brown, M.D.

Joseph H. O'Neill, M.D.

Perry Schoemaker, M.D.

Edgar H. Fark, M.D.

Associate:

Clarence H. Smith, M.D.

Instructors:

Jacob Braun, M.D.

Marvin F. Jones, M.D.

The courses in the Department of Otology are arranged to give personal instruction to the student in the diseases of the ear, and may be entered at any time.

Clinical lectures are given daily and the student is encouraged to take part in the examination and treatment of patients. Matriculates will be assigned to the following classes, viz:

Section A. Diagnosis.—New patients will be examined by the student under the direction of the surgeon. After the student has completed his examination the diagnosis made by him will be verified or corrected by the surgeon. General instruction will be given in all the points of diagnosis, treatment and prognosis.

Section B. Functional Examination. Including neuro-oto logical and labyrinthine tests.

Personal instruction to a limited class will be given and every student will be taught to differentiate diseases of the middle ear, cochlea, static labyrinth and brain. Every student will be expected to test a certain number of patients before completing the course.

Section C. Treatment.

As soon as the student shows himself competent he will be expected to spend a certain time in the treatment room, under competent supervision, where it is believed he will become expert in the use of the Eustachian catheter and bongue, the Polieterisation of the ear, the application of artificial ear drums and in the general routine treatment of patients. In special cases he will be requested to do minor operations.

Major Operations.—Students will have ample opportunity to visit the operation rooms where general instruction in surgical technique will be given. Operations will be posted on the bulletin board.

Ward Rounds.—Opportunity will be given the matriculates to make rounds with the surgeon and to follow up post-operative treatment.

Special Courses.

Operative Surgery of the Ear on the Cadaver.

This course is given throughout the year except during the summer months. Formation of classes and time of instruction and dissection will be arranged to meet the convenience of the matriculates.

The object of this course is to give the student a thorough knowledge of the anatomy of the ear and to teach him to perform the various operations associated with the diseases of this organ. Demonstrations and explanations by drawings and models will be given before every dissection. The different members of the class will perform the various operations in rotation. Fee, $100.
A Nasal Sinus Course upon the Cadaver, with operations on Frontal, Ethmoid, Sphenoid and Maxillary Sinuses, together with lectures and demonstrations in Anatomy and Surgery. Also Crico-Thyroid Tracheotomy, Supra-Thyroid Tracheotomy, Infra-Thyroid Tracheotomy, Low Tracheotomy, Median Laryngotomy, Ligation of Common Carotid Artery, of Lingual Artery, External and Internal Carotid Arteries, and Superior and Inferior Thyroid Arteries. Fee, $100.

Operative Course in which the student will be trained in examination and operation in the Operating Rooms. Fee, $100. (Special ticket.) See Surgical Handbook.

Bronchoscopy, Esophagoscopy and Laryngoscopy, with the removal of foreign bodies from the esophagus and bronchus. Fee, $100. (Special Ticket.)

Practical Work and Clinical Training. Properly qualified students are taught advanced practical work in the clinics, without extra fee. (Clinical ticket.)

Radiography of the Sinuses. Fee, $50. (Special ticket.)

Cadaver Courses are best arranged for well in advance, there being often a waiting list for these. Note that Cadaver Courses are not given throughout the summer months.

One of the features of the instruction in the Nose and Throat Department is that the student is allowed the opportunity for practical work upon the clinic patients. This work is both diagnostic and operative, and is carefully graded according to the ability of the student. (Clinical ticket.)

Practical Clinical Talks. The head of each clinic will devote fifteen minutes of each clinic hour to practical talks upon the diagnosis and treatment of diseases of the nose and throat, and it is expected that the entire field of work will thus be covered in a practical manner. (Clinical ticket.)

Special Courses.

(Not included in Clinical Ticket.)

Operative Surgery of Nose and Throat on Cadaver.

Conducted by Assistant Professor Lovell. Class limited to eight. Open to special students possessing preliminary qualifications satisfactory to the Director of the Department. Classes meet twice each week. Fee $100. Each student will perform each operation listed below, except where "demonstrations" are designated.

Lecture: General Nasal Anatomy.
Lecture: Anatomy Frontal Sinus.
Lecture: On Frontal Sinus; Exploration, Ordinary Kundt and Killian.
Lecture: Anatomy of Ethmoid and Sphenoid Sinuses.
Lecture: On Ethmoid and Sphenoid Sinuses.
Lecture: Tracheotomy, Infra-Thyroïd Tracheotomy, Supra-Thyroïd, Infra-Thyroid and Low Tracheotomy.
Lecture: Demonstrations of Laryngotomy, Hemi-Laryngectomy, and Total Laryngectomy.
Lecture: Ligature of Lingual Artery.
Lecture: Ligature of External and Internal Carotid Arteries.
Lecture: Ligature of Common Carotid Artery.
Lecture: Ligature of Superior and Inferior Thyroid Arteries.

Operative Surgery of Nose and Throat on the Living.

Conducted by Dr. Augustus Brown and Dr. W. H. Newcomb. Class limited to eight. Open to special students possessing preliminary qualifications satisfactory to the Director of the Department. Six weeks. Fee $100. Schedule for course as follows:

Operation for lingual tonsil.
Operation on nasal polyps. (If material present)
THIRTY-SIXTH ANNUAL ANNOUNCEMENT OF THE

Operation on middle turbinate.
Operation on posterior tip of turbinal body.
Operation on adenoids of nasopharynx.
Submucous operation of nasal spurs.
Submucous operation of nasal deformities.

Tomlleotomy:
1. Dissecting tonsil operation.
2. Study operation.

Bronchoscopy, Oesophagoscopy, Suspension and Direct Laryngoscopy. Conducted by Assistant Professor Forbes. Class limited to four. Two weeks. Ten lessons. Fee, $100.

The course includes:
The Theory and Practice of Bronchoscopy, Oesophagoscopy, and Laryngoscopy.
Variety of tubes and method of use. Lecture on suspension Laryngoscopy on Cadaver.
Bronchoscopy and oesophagoscopy on etherized dogs.
Direct Laryngoscopy on patients, and Bronchoscopy and Oesophagoscopy as material presents.

Ear, Nose and Throat Seminar.
Six Months. Fee, $300.

Graded Course of Instruction.
In response to a widespread demand, due in part to the closing of the centers of instruction abroad, a graded course of instruction in diseases of the ear, nose and throat has been arranged covering a period of six months. Special attention will be given to the fundamentals of these specialties, including careful instruction in the anatomy and histology of the nose, throat and ear; pathology, gross and minute; bacteriology; the use of instruments for diagnosis and treatment; methods of performing the functional tests; operative work on the cadaver; neuro-surgery; history taking; Roentgenology; (Plate reading), bronchoscopy, and nose and throat operations on the living. During the latter portion of the course the student will work as a duly appointed assistant in the clinics of the Hospital.
The following schedule, arranged with a view to the proper progress of the student in the study of the specialty, will be included among the several contained in the curriculum:

A course in pathology, histology, embryology and bacteriology.
Examination of the nose and throat; use of instruments; diagnosis.
Neurology in relation to ear, nose and throat diseases.
Operative surgery of the nose, throat and ear on the cadaver.
Operative surgery of the nose and throat on the living.
Bronchoscopy, oesophagoscopy and laryngoscopy, with the removal of foreign bodies from the esophagus and bronchi.
Radiography of the sinuses. (Plate reading).

Gross and minute anatomy and physiology of the ear, nose and throat.
Functional tests and practical demonstrations of diseases of the ear.
Oral hygiene and oral surgery.

Dissection of head and neck.
The work included in the Seminar under the headings "Operative Surgery of the Nose, Throat and Ear on the Cadaver" "Operative Surgery of the Nose and Throat on the Living" "Bronchoscopy, Eosophagoscopy and Laryngoscopy" are similar to those listed as Special Courses.

Lectures on Sound with reference to the human voice, will be given during the course by Professor H. B. Douglas.
Only legal practitioners of medicine are received as matriculates.

Kentucky—10
Hartman, Henry G., Louisville.
Hedges, Robert, Jr., Louisville.
Henderson, John C., Lexington.
Heppner, John, Frankfort.
Henderson, F. E., Nicholasville.
Henderson, W. B., Frankfort.
Peach, Alice N., Louisville.
Reed, John C., Lexington.
Smith, W. H., Danville.
Wilkins, Elbert, Chester.
Wright, E. C., Frankfort.

Mississippi—7
Avery, W. J., Derma.
Bryd, W. G., Iuka.
Davis, J. E., Laurel.
Dye, D. E., Columbia.
Tobey, A. C., Smithville.

Missouri—19
Alabaster, J. B., St. Joseph.
Barr, John H., Marshallville.
Broderick, H. M., Hermann.
Burden, E. J., Farmington.
Cook, Emmett F., St. Louis.
DePre, H. E., Paris.
Lambert, L. W., Alton.
Mickle, W. B., Sedalia.
Miller, B. C., Clinton.
Kelly, E. D., Kansas City.
Lemmon, G. B., Springfield.
Moore, J. S., St. Louis.
Terry, J. C., St. Louis.

Maryland—3
O'Neil, C. L., Cumberland.
White, Reuben, Cumberland.
Van Rensselaer, C. H., Baltimore.

Massachusetts—17
Annenberg, M. M., Grandchamp.
Jannelli, H. E., Mansfield.
Jenkins, J. L., South Speare.
Watson, J. W., Haverhill.

Ohio—18
Burkhart, M. J., Marietta.
Dunlap, C. H., Columbus.
Fryer, Geo. M., Marietta.
King, W. M., East Carrollton.
Kincer, L. C., Point Pleasant.
Mays, D. M., Columbus.
Neff, D. D., Columbus.
Whitaker, W. H., Columbus.

Indiana—22
Bolser, R. S., South Bend.
Crandall, R. E., Anderson.
Coombs, F. E., Wabash.
David, Albert T., Martinsville.
Downing, J. D., Yorktown.
Farrer, R. T., Lexington.
Garrett, H. A., Mount Pleasant.
Gibbons, M. L., Indianapolis.
Grant, J. P., Monroe.
Greene, W. F., Monroe.
Grider, C. J., Indianapolis.
Henderson, J. B., Indianapolis.
Harris, J. W., Muncie.
Henderson, J. B., Indianapolis.
Ricker, R. B., Indianapolis.
Ruston, J. C., Greensboro.
Shanklin, V. A., Terre Haute.
Shively, E. S., Kokomo.
Smith, W. H., Frankfort.
Starks, W. R., Pendleton.
Tubbs, T. P., Fort Wayne.

Iowa—34
Allen, E. W., Milford.
Blackwell, J. L., Davenport.
Bowman, W. H., Davenport.
Cohen, H. C., Davenport.
Curtis, J. R., Davenport.
Davies, E. H., Davenport.
Elkin, E., Davenport.
Lynch, R. J., Des Moines.
Morgan, E. L., Des Moines.
Wright, J. S., Des Moines.

Missouri—13
Hughey, J., Holyoke.
Kinnon, N. H., Inverness.
Lambrocks, A. A., New Bedford.
Lemmon, J. E., Kansas City.
Lemmon, J. E., New Bedford.
Matthews, A. E., Milan.
McCall, W. E., Kansas City.
Ricketts, Alvin, Bayard.
Sparke, W. R., Pendleton.
Tribble, W. F., Fort Wayne.

Michigan—15
Annest, Lillie A., Cedar Falls.
Cabantour, J. H., Ashton.
Campbell, C. M., S. M., Harris.
Carridan, H., New York.
Cooke, E. W., Edward.
Coffey, J., Cedar Falls.
Lynch, R., Des Moines.
Nugent, W. T., Chicago.
O'Keefe, E. M., Council Bluffs.
O'Reilly, A. W., Council Bluffs.
Peach, Alice N., Louisville.
Reed, John C., Lexington.
Smith, W. H., Danville.
Wilkins, Elbert, Chester.
Wright, E. C., Frankfort.

Minnesota—11
Burton, S. A., Minneapolis.
Dunstan, E. H., St. Paul.
Jones G. M., Minneapolis.

New York—30
Lock, Clifford C., Austin.
Ludlow, A. G., Manhato.
Morgan, R. E., Harlem.
Moulton, Rachel, Minneapolis.
Murchison, James J., Minneapolis.
Peck, Alice N., Louisville.
Reed, J., Lexington.
Smith, W. H., Danville.
Wells, Elbert, Clinton.
Wright, E. C., Frankfort.

Rock, Louis, Englewood.
Spiegelglass, A. B., Dombott.
Symphony, J. M., Monticello.
Taylor, G. H., Maplewood.
Thor, Henry, Bayonne.
Herron, W. W., New York.
Khan, J. C., Belleville.

New Mexico—1
Pratt, A. C., Gallup.

New York—144
Annest, Lillie A., Cedar Falls.
Campbell, C. M., S. M., Harris.
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THIRTY-SIXTH ANNUAL ANNOUNCEMENT OF THE

HUTCHEON, R. H., New York.

ALEXANDER, Brooklyn.

KLEPPER, J.

LEFF, MORRIS, New York.

LANG, ARVIL A., New Rochelle.

LACZYNISKI, F. S., Buffalo.

LANE, C. R., Corning.

ORTH, R. D., Blauvelt.

PARKER, H. L., Lockport.

MAC FARLAND, E. G., Rome.

PRICE, WM. H., Brooklyn.

RATZAN, M. E., Brooklyn.

PIETRAFESA, R., New York.

MOORE, F. H., Herkimer.

McMASTER, P. R., Greenwich.

MASTERS, JNO. J., Brooklyn.

REIN, BERARD, Brooklyn.

MOUNTAIN, S. V., Olean.

SALMAN, P., New York.

SCHIRCK, F. F., Mineola.

SCHRADIECK, C. E., Brooklyn.

SCULTRZ, MAX, Brooklyn.

REIN, BERARD, Brooklyn.

MOUNTAIN, S. V., Olean.

SALMAN, P., New York.

SCHIRCK, F. F., Mineola.

SCHRADIECK, C. E., Brooklyn.

SCULTRZ, MAX, Brooklyn.

REIN, BERARD, Brooklyn.

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Ohio—

CRAICHTON, A. F., P对其真实، مونتريال.

BATEMAN, WM. R., Bolton.

BELL, JOHN, New Glasgow.

BERTRAND, J. A., Quebec.

BOISVERT, A. J., Presquisville, Quebec.

BOULANGER, JOS., Edmonton.

CAMPBELL, P. MCG., Lethbridge, Alberta.

WICHMAN, F. W., Penticton, B.C.

WEST, B. C., Dayton.

MCKINNON, F. L. M., Winnipeg.

NIEMEIER, O. W., Hamilton, Ontario.

MCALISTER, P. L., Toronto.

KIRGIS, L. W., Prince Rupert, B. C.

GOSSELIN, T., Quebec.

DURANT, J. E., Oregon.

CAMPBELL, J. N., Yarville.

FAIR, C. H., Greenville.

FRAZER, B. T., Philadelphia.

GILL, W. R., Lancaster.

GINSBERG, I. J., Quebec.

GREYF, J. B., Toronto.

SHERMAN, L. M., Honolulu, Hawaii.

WEST, B. C., Dayton.

COYNE, JAMES R., Wendeuz, Schengen.

RICHARDSON, C. C., Windsor, Ontario.

PUBLLOW, E. A., Pecton, Ontario.

PREVOST, J. M. E., Montreal.

PINAULT, L. G., Campbellton, N.B.

NOSSEL, T.

GREENE, J. E., Three Rivers.


DAY, F. B., Texarkana.

REIN, BERARD, Brooklyn.

SHANNELL, L. S., South Dakota.

CHENAS, L. J., South Dakota.

CLARK, R. G., Richfield, Utah.

HOWELL, T. J., Salt Lake City.

PARKER, A. N., Rutland.

WILLIAM, J., Charleston.

COX, JAMES R., Wendeuz, Schengen.

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PUBLLOW, E. A., Pecton, Ontario.

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REIN, BERARD, Brooklyn.

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CHENAS, L. J., South Dakota.

CLARK, R. G., Richfield, Utah.

HOWELL, T. J., Salt Lake City.

PARKER, A. N., Rutland.

WILLIAM, J., Charleston.

COX, JAMES R., Wendeuz, Schengen.

RICHARDSON, C. C., Windsor, Ontario.

PUBLLOW, E. A., Pecton, Ontario.

PREVOST, J. M. E., Montreal.

PINAULT, L. G., Campbellton, N.B.
THIRTY-SIXTH ANNUAL ANNOUNCEMENT

CHANDRILL, Grace L., Lelo, Kino,
Shanghai.

LAW, W. J., Hong Kong.

LEW, Y. K., Shanghai.

LOVE, A. D., Tung Chau, Peking.

SELSON, Arthur L., Shanghai.

SMITH, Bertha L., Shanghai.

THOMSON, Joyce O., Canton.

Toki, K. S., Canton.

Cuba — 8

ARRELLANO, E. R., Havana, Cuba.

BERNARDINO, M. H., Havana, Cuba.

CETINA, V., Havana, Cuba.

KIRK, R., Havana, Cuba.

MARTINEZ, F., Havana, Cuba.

MATSUO, Osamu, Tokyo.

KOM, U. N., Bengal.

REPLLOGLE, G. B., Argentina.

VOLTA, V. B., Christiano, Norway.

LLAMAS, R., Panama.

HALL, J. A., La Paz.

SAMPSON, A., Porto Rico.

WALCOTT, Allen Moore, Rio.

YOUNG, John, Canada.

France — 2

LLAMAS, Rosa, Pagan.

LARAZ, E., Lares, Porto Rico.

THOMSON, Jose, Canton.

FAULKNER, Daniel, Mexico City.

FRANCISCO, Barcelona.

GONZALEZ, E., Buenos Aires.

LAW, Y. L., Hong Kong.

KIM, R. I., Seoul.

MOORE, Stephen, Buenos Aires.

YU, T., Shanghai.

Lee, S. T., Laos, Peking.

ROEL, Ignacio, Montevideo.

SAMPSON, Bertil L., Shanghai.

LITCHFIELD, Eldon, Wellington.

GOVEA, Rafael, Maracaibo.

Barker, H., Porto Rico.

SMITH, J. W., Manila.

Schindler, J., Switzerland.

GEOGHEGAN, F., New York.

GREGORY, F., New York.

GROVES, W. F., New York.

HERNANDEZ, M., Havana, Cuba.

HERNÁNDEZ, H., Colombia.

KEYNES, L. H., New York.

KIM, R. I., Seoul.

HONG, K., Tokyo.

LAW, Y. L., Hong Kong.

DOBELL, W., New York.

FRITZ, R., New York.

GUHA, K., Calcutta.

CARLSON, H. E., New York.

CABRAL, F., Porto Rico.

CABALLERO, H., Havana, Cuba.

DEBELLARD, E. P., Caracas, Venezuela.

LAW, Y. L., Hong Kong.

THOMSON, Joyce O., Canton.

Toki, K. S., Canton.

Cuba — 8

ARRELLANO, E. R., Havana, Cuba.

BERNARDINO, M. H., Havana, Cuba.

CETINA, V., Havana, Cuba.

KIRK, R., Havana, Cuba.

MARTINEZ, F., Havana, Cuba.

MATSUO, Osamu, Tokyo.

KOM, U. N., Bengal.

REPLLOGLE, G. B., Argentina.

VOLTA, V. B., Christiano, Norway.

LLAMAS, Rosa, Pagan.

HALL, J. A., Lares.

SAMPSON, A., Porto Rico.

WALCOTT, Allen Moore, Rio.

YOUNG, John, Canada.

France — 2

LLAMAS, R., Panama.

LARAZ, E., Lares, Porto Rico.

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Lee, S. T., Laos, Peking.

ROEL, Ignacio, Montevideo.

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