ANNUAL MEDICAL SCHOOL

ANNOUNCEMENT OF
SHORT COURSES
FOR SPECIALISTS
1940 - 1941

SECOND AVENUE, AT 21ST STREET
NEW YORK
NEW YORK POST-GRADUATE MEDICAL SCHOOL
NICHOLAS MURRAY BUTLER, LL.D., D.LITT., HON.D., President of Columbia University

WILLARD C. HAPPLYIE, A.M., M.D., Sc.D., Director of the School
VERNON W. LIPPAID, B.S., M.D., Assistant Director
HELEN L. WATTS, A.M., Registrar
EDITH M. KELLER, Librarian

GENERAL INFORMATION
The courses described in this bulletin are designed for the advanced training of physicians. They are not designed to train any physician to become a specialist. The program of study for physicians in this category is necessarily flexible. While some of the courses have specific dates and fees, many others may be taken in part or whole, and at times to be arranged to suit the convenience of both instructors and matriculates, with the fee determined by the length of the course.

ADMISSION REQUIREMENTS. In general, courses at the New York Post-Graduate Medical School are open to physicians in good standing who are graduates of medical schools approved by Columbia University and are licensed to practice in their respective states. Women physicians are admitted to all courses on the same basis as men. For courses described in this bulletin, registration is limited to those specialists who have adequate preliminary training and experience in the field of specialization.

APPLICATION. Application for admission should be made as far in advance as possible, as most classes are limited in size. The class for each course which has a definite opening date will be formed ten days before the opening date; additional registrations will be accepted during the ten days before the opening date if a class of minimum size has already enrolled. Application forms will be furnished upon request.

TUITION FEES. All fees are payable on or before the opening date of the course. If a class is limited in number, a deposit is usually required in advance of the opening date of the course, to make reservation in the class. This deposit will not be returned in case the applicant fails to attend, but will be credited if he attends any course at a later date. All checks and money orders should be made payable to New York Post-Graduate Medical School.

SCHOLARSHIPS. The School has a scholarship fund from which grants may be made, upon special application, to defray part of the tuition fees of physicians who would otherwise be unable to meet the expense of post-graduate study. According to the wish of the donor of this fund, special consideration is given to applications from physicians practicing in Allegheny County, Pennsylvania.

LIBRARY. A medical library of more than 14,000 volumes is maintained for the use of matriculates and teaching staff. The outstanding medical journals of this country and many foreign journals are provided, as well as text and reference books.

ANNOUNCEMENTS OF OTHER COURSES. Courses for General Practitioners are described in a separate bulletin. The School also issues a separate announcement of courses in the Department of Dermatology and Syphilology (the only department offering a course of training for specialization) which includes short courses for the general practitioner and other courses for the specialist. Courses in Radiology are given under the auspices of the Faculty of Medicine of Columbia University and are also described in a separate bulletin. These bulletins will be sent upon request.

Address all applications and inquiries to THE DIRECTOR, NEW YORK POST-GRADUATE MEDICAL SCHOOL 305 EAST 20TH STREET - NEW YORK, N. Y. / 2
NEUROLOGY AND PSYCHIATRY

Professor of Clinical Neurology and Psychiatry. GEORGE A. BLAKESLEE (Executive Officer).
Clinical Professors of Neurology and Psychiatry. JAMES L. JOCHEN, PHILIP R. LEHRER.
Assistant Clinical Professors of Neurology and Psychiatry. GEOFFREY C. H. BURNS, MAX HELFAND, SIDNEY KLEIN, JOHN Y. NOTKIN, WILLIAM D. SHERWOOD.

709—Review of fundamentals of neurology and psychiatry. DR. HELFAND.
8-10 p.m. Wednesday: sixteen sessions of two hours each. Offered from October 2, 1940, to January 29, 1941, and from February 5 to May 21, 1941. Minimum class, five; maximum, twelve. Fee, $50.
A detailed review of the fundamentals of neurology and psychiatry, including the autonomic nervous system and its functional relations with the cerebrospinal system, the anatomy and physiology of reflexes and various pathways, the cerebellum with its afferent and efferent connections, the midbrain, thalamus, extra-pyramidal system, and the cerebral cortex; the blood vessels of the nervous system, their distribution and their clinical syndromes; the technique of post-mortem studies of the nervous system and various histological methods; the essentials of the pathological findings in diseases of the nervous system; and psychobiology.

OPHTHALMOLOGY

Professor of Clinical Ophthalmology. JAMES W. WHITE (Executive Officer).
Associate Clinical Professor of Ophthalmology. RUDOLF AEBLI.
Assistant Clinical Professor of Ophthalmology. GEORGE A. BLAKESLEE.

HAROLD W. BROWN. Assistant Ophthalmologist to the Hospital.

1411—Embryology, histology and pathology of the eye. DR. MEEKER (Department of Pathology).
Fifteen sessions of 2½ hours each. Fee, $100. Longer courses can be arranged in units of 12 sessions each. Hours to be arranged. Minimum class, one.
Lectures on the embryology, histology, and pathology of the various ocular structures are illustrated by gross material, lantern slides, projection of microscopic preparations, and practical laboratory work.

1413—Motor anomalies of the eye. DRs. AEBLI and BROWN.
One week: October 21-26, 1940, and January 20-25, 1941. Minimum class, ten; maximum, thirty-five. Fee, $50.
The course is made as practical as possible and the relation of the muscle balance to refraction always considered in the prescribing of glasses. Anatomy of the ocular muscles, nerve supply, action of individual muscles, anomalies of associated movements, anomalies of convergence, of divergence and of sursurvergence. Case demonstrations follow the lectures.

1419—Surgical anatomy as applied to operative surgery of the eye. DRs. AEBLI and BROWN.
Course may be entered on any date between October 1 and June 1. Minimum class, two; maximum, ten. Fee, $30 per session of two hours. 9:30-5:30 p.m., Thursday. Other hours may be arranged.
Individual instruction in the surgical anatomy and technique of eye operations on the cadaver and on the pig's eye. The physician is urged to attend eye operations in the amphitheatre to observe the application of the operative principles considered.

1424—Seminar in ophthalmology. DRs. WHITE, AEBLI, and BONACCOLTO and guest lecturers.
One week; following Course No. 1419; October 28-November 2, 1940, and January 27-February 1, 1941. Minimum class, ten; maximum, thirty-five. Fee, $50.
A seminar on ophthalmological subjects other than motor anomalies. One day each will be devoted to the following subjects: (1) cataract; (2) glaucoma; (3) medical ophthalmology; (4) refraction, including prescription writing, prisms, and bifocals; (5) orthoptics, reading difficulties, and anisokonia; (6) endocrine disturbance, and perimetry.

ORTHOPEDIC SURGERY

Professor of Clinical Orthopedic Surgery. GEORGE ANOPOL. (Executive Officer).
Clinical Professor of Orthopedic Surgery. WILLIAM HARRIS IRISH.
Associate Clinical Professor of Orthopedic Surgery. ARMITAGE WHITMAN.
Assistant Clinical Professor of Orthopedic Surgery. ROBERT L. PRESTON.

500—Seminars in orthopedic surgery. DRs. ANOPOL, IRISH, WHITMAN, PRESTON and STAFF.
Eight days: January 6-14, 1941. Minimum class, five; maximum, thirty. Fee, $75.
An intensive review of orthopedic conditions from the surgeon's viewpoint. Pre-operative, operative, and post-operative clinics; surgical anatomy; bone, joint and tendon surgery; fascial surgery; non-union; mal-union; radiology, physiotherapy, prevention of deformities; pathology; laboratory aids to diagnostic rehabilitation clinic; pediatric care in orthopedics; visualization of fascial spaces by air injection; plaster technique and braces. The conditions which are stressed include scoliosis, poliomyelitis, osteomyelitis (bacteriophage treatment), bone tumors, congenital deformities. Pott's disease, arthritis, and foot conditions.
Visits are made to the Rehabilitation Clinic and to the Institute for the Crippled and Disabled.
An hourly program of this course will be sent upon request.

511—Surgical anatomy as applied to bone and joint operations (cadaver). DR. ANOPOL.
Six sessions of two hours each. Given during September and February. Minimum class, four. Fee, $100. Limited to orthopedic surgeons.
1-3 p.m., Tuesday and Friday, or 6-8 p.m., Monday, Tuesday, and Thursday.
Surgical approaches and anatomy of basic orthopedic operations are demonstrated, as well as the use of the electric bone mill and fracture orthopedic table.
OTOLARYNGOLOGY

Professor of Clinical Otolaryngology, Arthur Nilsen (Executive Officer).
Clinical Professors of Otolaryngology, Charles M. Griffith, Morris Levine.
Associate Clinical Professors of Otolaryngology, Manfred J. Gerstley, James O. MacDonald.

Victor W. Anderson, Attending Physician, Norwalk (Conn.) General Hospital.
Legrand I. Glinshak, Associate Attending Otolaryngologist to the Hospital.
Max Rabbiner, Associate Attending Otolaryngologist to the Hospital.
Paul S. Seager, Associate Attending Otolaryngologist to the Hospital.

603—Surgical anatomy as applied to otology (cadaver). Drs. Levine, Macdonald.
Minimum class, two; maximum, six. Hours and fee to be arranged. Not given during July and August.

604—Surgical anatomy as applied to rhinology and laryngology (cadaver). Drs. Nilsen, Griffith and Seager.
Minimum class, two; maximum, six. Hours and fee to be arranged. Not given during July and August.
Anatomy of intranasal antrum, ethmoid and sphenoid operations, Caldwell-Luc and Denker operations, and radical frontal sinus operations. Also laryngectomy, laryngo-fissure and tracheotomy, and the ligation of the common, internal and external carotid arteries.

612—Dissection of the head and neck, Dr. Anderson.
Minimum class, two. Hours and fee to be arranged. Not given during July and August.

615—Functional tests of the cochlea and static labyrinth. Dr. Gerstley.
Minimum class, two. Hours and fee to be arranged.
A short comprehensive course in the functional examination of the cochlea by means of the various kinds of mechanical and electrical apparatus, including the audiometer, and the interpretation of these tests. Examination of the labyrinth from a practical standpoint for office routine, and the interpretation of these tests.

617—Physiology and defects of voice and speech, Dr. Glinshak.
Minimum class, two. Hours and fee to be arranged.
Lectures on the following subjects: components of voice and speech; respiratory mechanism in relation to voice; anatomy and physiology of the larynx; resonatory mechanism; voice—register, intonations, and falsetto; and pathological conditions.

134—Embryology, histology and pathology of the ear, nose and throat. Dr. Meeker.
(Full-time course of three months beginning September 30, 1940, and March 31, 1941. Minimum class, four; maximum, eight. Fee, $250.
Part-time course of three months beginning January 6, 1941. Minimum class, four; maximum, nine. Fee, $100.

Full fifteen sessions of 1½ hours each; hours to be arranged. Minimum class, one. Fee, $100. Longer courses can be arranged in units of 15 sessions each. Lectures illustrated by projection of microscopic preparations and practical laboratory work.

PATHOLOGY

Professor of Pathology, Maurice N. Richter (Executive Officer).
Assistant Professors of Pathology, Louise H. Meeker, Milton Rabinson.
Assistant Clinical Professor of Pathology, Maxwell J. Fein.

130—Pathology of the blood and blood-forming organs. Dr. Richter.
2-5 p.m., Monday, Wednesday, and Friday. Given from November 1-27, 1940, and March 3-28, 1941. Minimum class, three; maximum, six. Fee, $75.
This course is designed for physicians and pathologists who want an advanced presentation of the pathology of the blood and blood-forming organs. Each disease group is considered from the hematologic and pathologic standpoint, including clinicopathologic relationship. The indications for and results of marrow, spleen, lymph node and liver biopsies are reviewed. Current points of view with respect to the mechanism of each disease are discussed. See No. 141—Embryology, histology and pathology of the eye, described on page 4.
Also No. 134—Embryology, histology and pathology of the ear, nose and throat, described above.

RADIOLOGY

Professor of Radiology, William H. Meyer (Executive Officer).
Instructor. Arthur Mutcheller.

RB Series—Basic diagnostic radiology. Dr. Meyer and Staff.
Full-time course of three months, beginning September 30, 1940, and March 31, 1941. Minimum class, four; maximum, eight. Fee, $250.
RTB—Basic radiation therapy. Dr. Meyer and Staff.
Part-time course of three months, beginning January 6, 1941. Minimum class, four; maximum, nine. Fee, $100.
A detailed description of these courses, as well as courses in clinical roentgenology and clinical radiotherapy offered in other institutions affiliated with Columbia University, is published in a separate bulletin which will be sent upon request.
COURSES IN ANESTHESIA

941—Regional anesthe sia. DR. FINSTERWALD.
Twelve sessions; hours to be arranged. Minimum class, two; maximum, four. Fee, $75.
Discussion of armamentarium and general technique. Demonstrations of cranial operations, anesthesi a of the head and neck, of the thorax, abdomen, and extremities.

942—Anesthesia. DR. PETERSON.
Full-time course of six weeks, beginning on any Monday when there is a vacancy. Minimum class, one. Fee, $100. A third week of instruction will be given for an additional fee of $50.

Theoretical and practical instruction in all methods of modern inhalation anesthesia, and discussion of the popular regional anesthesia techniques and of spinal anesthesia. Pre-anesthetic examination and post-operative follow-up in the wards. Demonstrations and experience in the operating rooms, utilizing the various techniques and agents.

COURSES IN SURGERY

Surgery Co-2—Symposium on general surgery. DRs. CAVE, COLP, DONOVAN, EGGERS, HINTON, LOUGH, MOFFE, MELENEY, NEUHOFF, RUSSELL, SCUDDER, WHIRL, and WILSON.
9 a.m.-12 m. and 2-5 p.m., Monday through Friday, and 9 a.m.-12 m., Saturday; October 28-November 2, 1940. Minimum class, ten; maximum, twenty. Fee, $75.

This course is offered jointly by the following hospitals affiliated with Columbia University: New York Post-Graduate, Mount Sinai, Presbyterian, Babies', Roosevelt, St. Luke's, and the Hospital for the Ruptured and Crippled. It offers a review of many recent developments in general surgery reflecting the experience of representative metropolitan clinics. It includes demonstrations, lectures, operative and non-operative clinics. A detailed program will be sent upon request.

940—Seminar in general surgery. DRs. RUSSELL, HEYD, VAUGHAN, ERDMANN, and STAFF.
Full-time course of three months, beginning October 1, 1940, and April 1, 1941. Minimum class, four; maximum, eight. Fee, $400. (This course may be taken for the first or the second six weeks only, at a fee of $200, if there is a vacancy in the class; preference is given to applicants for the entire course.) Designed for the properly qualified surgeon in practice who wishes to equip himself more thoroughly in surgical diagnosis and technique.

Active participation in the examination, diagnosis, and pre-operative and post-operative care of patients both in the wards and in the outpatient department. General and special surgical clinics— including breast, gall bladder, peptic ulcer, thyroid, and rectal clinics, and clinics for plastic, orthopedic and traumatic surgery. In the first six weeks, six hours a week are spent on dissection and surgical anatomy; in the second six weeks, six hours a week on applied surgical anatomy of general and rectal surgery (see descriptions under courses No. 951 and 955). Lectures on general surgery, thoracic surgery, traumatic surgery, anesthesia, and the use of X-ray in surgical diagnosis. Round table conferences.

An hourly program of this course will be furnished upon request.

912—Proctology. DRs. CLARK and FREUND and STAFF.
3-5 p.m., Monday, Wednesday, and Friday, for three months beginning on July 1, 1940, and January 3, 1941. Enrollment for one or two months may be arranged when there is a vacancy in the class. Minimum class, two; maximum, four. Fee, $150 for three months.
Diagnosis and treatment of rectal and sigmoidal carcinoma, chronic ulcerative colitis, tuberculosis, proctitis, and other diseases of the large intestine. Treatment of hemorrhoids, fissures, fistulae, and ischiorectal abscesses. Demonstrations of the usual operative procedures. Anatomy, embryology and physiology of the colon, rectum, anus and post-sacral regions; examination of new patients, and the technique of digital, proctologic and sigmoidoscopic examinations; pre-operative and post-operative treatment.

931—Blood transfusion. DR. UNGER.
Eight sessions totalling twelve hours: to be arranged. Minimum class, one; maximum, four. Fee, $75.
Lectures and demonstrations on blood grouping; test for selection of a donor; indications for blood transfusion and for determining the method to be used: technique of citrate method, Klimpton and Brown method, Lindemann method, and Unger method; close: results of blood transfusion.

950—Surgical anatomy as applied to thoracic surgery (cadaver). DR. DAVIDSON.
Twelve sessions (either Part I or Part II); hours to be arranged. Not given in July and August. Minimum class, two; maximum, six. Fee, $125.
Anatomy, physiology, and surgical principles as applied to surgery of the chest. Arteries and veins. Part I—Applied anatomy in surgical treatment of pulmonary tuberculosis: a con-
Consideration of collapse therapy; (b) artificial pneumothorax; (c) Jacobaeus operation; (d) phrenic nerve operations; (e) pneumonolysis; (f) extrapleural thoracoplasty.

Part II—Applied anatomy in surgical treatment of non-tuberculous diseases: (a) empyema, acute and chronic; (b) bronchiectasis; (c) lung abscess; (d) diseases of the chest wall—excision of cervical rib; (e) diaphragmatic conditions—hernia, eversion, subphrenic abscess; (f) mediastinal growth.

951—Surgical anatomy as applied to general surgery (cadaver). DR. LOBBAN.

Twelve sessions of two hours each, 3-5 p.m., Monday and Thursday. Course starts at the beginning of any month (except July and August) when a class of two is formed. Fee, $200.

Surgical anatomy as applied to the following operations:
1. Stomach—gastrostomy, gastrojejunostomy, gastrectomy
2. Small intestine—ileostomy
3. Large intestine—appendectomy, resection of right colon and terminal ileum, resection of splenic flexure, resection of sigmoid, abdomino-perineal resection
4. Approach to pancreas
5. Splenectomy
6. Biliary system—cholecystostomy, cholecystectomy, choledochotomy, cholecystogastrostomy
7. Hernia—inguinal, femoral, incisional, umbilical
8. Thyroid—subtotal thyroidectomy, partial thyroidectomy
9. Breast—radical mastectomy, simple mastectomy
10. Rib resection for empyema
11. Approach for subphrenic abscess

955—Surgical anatomy as applied to colon and rectal surgery (cadaver). DR. FREUND.

Five sessions, by arrangement. 3:30-5 p.m., Tuesday. Not given in July and August. Minimum and maximum class, two, Fee, $100.

Surgical anatomy of the abdominal wall, and as applied to the following operations: lumbar sympathectomy; abdomino-perineal resection of the rectum; resection of the cecum for granuloma, or radical resection for carcinoma; colectomy; colostomy; ileostomy; hemorrhoidectomy; fistulotomy; excision of fissures in ano and ischio and pararectal abscesses; neurectomy for dermatitis ani; prolapse of the rectum; perineal excision of the rectum; Variety and uses of drainage and of ligature and suture material.

956—Dissection and surgical anatomy. DR. DAVIDSON.

Twelve or more sessions of two hours each, by arrangement. Not given in July and August. Minimum class, two. Fee for twelve sessions, $125.

Complete dissection of any one or more of the following constitutes a course: (1) arm, including muscles of back, (2) leg, (3) abdomen, (4) thorax.
TRANSPORT SURVEY

...