

Curator's Report of Donations Received

IN THE

Museums of the Medical Faculty

OF

McGill University  
Montreal

From April 16th, 1907, to July 1st, 1910

With Descriptive List and Index of Specimens

*McGill University: Faculty of Medicine, Museum  
Curator's Report*

*McGill University Faculty of Medicine, Museum.  
Curator's report of donations received...*

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## Curator's Report of Donations Received in the Museums of the Medical Faculty of McGill University Since the Fire of April 16th, 1907.

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### INTRODUCTORY.

As is well known to all interested in McGill University, the medical buildings, erected in 1872, and completed by repeated additions in 1888, 1895 and 1902, were destroyed by the fire of April 16th, 1907. In a single night the buildings raised at so heavy a cost, with their historic traces of the early Founders of the Institution, the treasures of generations of teachers, and the fruits of the labours of so many individuals, were almost entirely wiped out.

Not the least among the losses sustained was that of the great anatomical and pathological collections, which had been for many years the pride of the Faculty, and to the accumulation and arrangement of which much energy had been devoted, especially of recent years. The Anatomical Museum, the contents of which represented the results of much of the life work of Professor Shepherd and his predecessors in the Chair of Anatomy, perished completely. In the Pathological Museum more than two thousand specimens were destroyed, including the entire bone collection, some seven hundred specimens of arthritis deformans, gouty arthritis, tuberculosis, new growths, dislocations, fractures, etc.; the valuable collection of calculi; the whole obstetrical and gynæcological collections, and miscellaneous specimens too many to enumerate. The loss in this department was, however, not a total one; through its accidental location, and by the efforts of many helpers, some one thousand specimens were rescued

from the flames; and this remnant fortunately included much of the most valuable material, such as the remarkable three-chambered heart, reported by Dr. Andrew Holmes at Edinburgh in 1823; the collections of aneurysms, of malignant endocarditis and of cardiac anomalies made by Dr. Osler during his term as Pathologist to the Montreal General Hospital; the medico-legal specimens contributed by the late Professor Wyatt Johnston; and the valuable teaching series illustrating the medical pathology of the circulatory, respiratory, digestive, and urogenital systems, which had been carefully worked out under the Directorship of Professor Adami. These specimens, restored where damaged, remain to form the nucleus of a new museum, which will thus retain within itself the individuality and the historic interest, as well as much of the teaching value, of the old collection.

Moreover, it is a pleasure to report that already so generous a response has been made to an appeal for new specimens that the present collection already equals in quantity, and probably also in quality, the great mass of material that was lost. No less than three thousand specimens have been received in the Pathological Museum since the fire, and about three hundred in the Anatomical. The principal contributors have been: the Army Medical Museum of Washington, D.C., which set an example of princely generosity, by the presentation of some fifteen hundred specimens; Professor Orth, of Berlin, Germany, who presented, (at the request of Professor C. F. Martin), a series of very fine specimens, each of the highest teaching value; the Museum of St. Bartholomew's Hospital, London, (also through Dr. Martin); the National Museum, Washington, D.C.; the pathological departments of the different city hospitals, and many individual donors. A large donation is also promised, before the end of the year, from the Museum of the Royal College of Surgeons, London, England, through Dr. Arthur Keith. In view of the fact that, through the benefaction of Lord Strathcona, a fine new museum is now in course of erection, which will be ready for occupation during the coming session, it is inspiring to learn of the remarkable extent of these recent donations.

The specimens are acknowledged in detail below, with the grateful thanks of the Museum Committee.

In the arrangement of the following descriptive lists of donations received, the acknowledgment has been made first to the different institutions, and then to individual donors, alphabetically arranged. When a sufficiently large number of specimens has been received to admit of classification, this has been carefully done, the specimens being grouped in a definite anatomical order according as they belong to the (a) Circulatory, (b) Respiratory, (c) Digestive, (d) Glandular, (e) Urogenital, (f) Female Generative, (g) Nervous, (h) Muscular and Tegumentary, (i) Osseous Systems, or (j) to parts of the body as a whole. A sub-classification under systems into the different organs has also been followed, and to the page-index of the different donors is appended a cross-index of the diseased conditions represented. These features of this report are especially commended to the notice of members of the teaching staff of the University, for it is hoped that, arranged in this way, this report not only may serve as a grateful acknowledgment of donations received, but also will constitute a supplement to the Catalogue of the Museum proper, by furnishing a statement of the material in the **Museum Storage** available for the illustration of didactic lectures in medicine, surgery, or pathology, or for the prosecution of research work.

*Respectfully submitted,*

MAUDE E. ABBOTT, M.D.  
Curator.

## SUBJECT INDEX OF SPECIMENS RECEIVED IN THE MUSEUM OF PATHOLOGY.

(*The numbers refer to the place of the donor in the list of acknowledgments from the Pathological Museum.*)

### CIRCULATORY SYSTEM.

#### *Pericardium.*

- Echymoses, 16, 20, 82.
- Acute pericarditis, 1, 2, 3, 4, 6, 17, 18a, 19, 59.
- Chronic pericarditis, 3, 17.
- Tuberculous pericarditis, 17, 53 (bovine).

#### *Heart.*

- Anomalies, 2, 3, 6, 14, 17, 18a, 66, 78, 83.
- Acute endocarditis, 3, 17, 18a, 82.
- Chronic valvular disease, 2, 3, 6, 11b, 17, 18a, 19, 38, 106, 107.
- Coronary disease, 3, 17, 18a, 62, 11b.
- Cardiac thrombi, 17, 18a.
- Tuberculosis, 17, 18a.
- New growths, 21, 73.
- Hypertrophy, 3, 14, 18a, 62.
- Atrophy, 3.
- Rupture, 3, 10, 11b.
- Gunshot wound, 3, 71a.

#### *Arteries.*

- Anomalies, 4, 11b, 18a, 60, 62.
- Foetal circulation, 60.
- Normal closure of D.A., 62.
- Thrombosis, 3, 16, 17, 18a, 62.
- Embolism, 1, 2.
- Arteriosclerosis, 3, 17, 18a, 21, 62.
- Aneurysms, 2, 3, 11b, 17, 18a, 49, 62, 63.
- Gunshot wound, 3.

#### *Veins.*

- Thrombosis, 18a.
- Aneurysmal varix, 18a.
- Varicose, 82.

### RESPIRATORY SYSTEM.

#### *Nose.*

- Congenital tumour, 3.
- Hypertrophied turbinates, 58, 105.
- Inflammation, 105.
- New growths, 3, 30, 62, 105.
- Necrosis of bones, 95, 105.
- Foreign body, 30.

### Respiratory System—Con.

#### *Larynx.*

- Edema, 3.
- Typhoid, 18a.
- Tuberculosis, 3, 16, 18a.
- New growths, 2, 3, 18a, 28, 46.
- Calcification, 3.
- Rupture, 17.

#### *Trachea and Bronchi.*

- Fibrinous casts, 2, 51, 71, 105.
- Bronchiectasis, 2, 17.
- Foreign bodies, 17, 71a.
- Rupture of bronchus, 17.
- Cyst, 30a.

#### *Lungs.*

- Anomalies, 3.
- Infarction, 3, 11b, 17, 18a, 21, 82.
- Pneumonia, 3, 11b, 17, 18a, 56.
- Abscess, 3, 17, 18a, 53.
- Tuberculosis, 3, 4, 11b, 14, 17, 18a, 19, 21, 53 (bovine).
- New growths, 2, 3, 11b, 17, 18a, 21, 43.
- Atelectasis, 3, 18a.
- Emphysema, 3, 21.
- Gangrene, 2, 12, 15, 18a.
- Anthraxis, 3, 11b, 18a, 76.
- Gunshot wounds, 3, 71a.

#### *Pleura.*

- Echymoses, 3.
- Acute Pleurisy, 3, 4, 11b, 17, 18a.
- Chronic pleurisy, 3, 18a, 76.
- New growths, 1, 2, 3.
- Calcification, 3, 19.
- Pseudo-tubercles, 3, 11b, 76.

### DIGESTIVE SYSTEM.

#### *Teeth.*

- Diseases of, 3, 103.
- Odontoma, 58.

#### *Tonsils.*

- Enlargement of, 105.

#### *Tongue.*

- Tuberculosis, 1, 18a.
- Carcinoma, 2, 17, 18a, 46.

Digestive System—Con.

*Esophagus.*

- Diverticulum, 18a
- Lye-poisoning, 17.
- Abscess, 12, 18a.
- Decubitus ulcers, 18a.
- Stricture, 2, 18a.
- Dilatation, 17.
- Leukoplakia, 18a.
- Sarcoma, 46.
- Carcinoma, 2, 17, 18a, 28.
- Foreign body, 17.
- Varicose veins, 17.

*Stomach.*

- Anomalies, 2, 18a.
- Gastritis, 3, 17, 18a.
- "    toxic, 2, 71.
- Perigastric abscess, 18a.
- Cirrhosis, 17.
- Atrophy, 18a.
- Hæmorrhagic erosions, 1, 18a.
- Gastric ulcer, 1, 2, 16, 17, 18a.
- Tuberculosis, 18a.
- Carcinoma, 1, 17, 18a, 19.
- Acute dilatation, 18a.
- Rupture, 27.
- Gunshot wound, 18a.
- Foreign bodies, 39, 54.
- Gastro-enterostomy, 18a.

*Intestines.*

- Anomalies, 2, 17.
- Diverticula, 3, 11b, 17, 18a.
- Hæmorrhoids, 18a.
- Enteritis nodularis, 1.
- Colitis, 3, 17, 18a, 22.
- Enterocolitis polyposa, 3, 17, 18a.
- Stricture, 13, 18a.
- Ulceration, 2, 3, 18a.
- "    uræmic, 1, 18a.
- Dysentery, 10, 14, 17.
- Typhoid, 1, 3, 17, 18a, 19.
- Tuberculosis, 1, 2, 3, 16, 18a.
- Lipoma, 18a.
- Polypus, 2, 17, 18a.
- Lymphosarcoma, 43.
- Carcinoma, 2, 17, 18a, 27, 72, 94.
- Enterolith, 54.
- Gangrene, 18a, 27.
- Hernia, 46, 71, 105 (Richter's).
- Intussusception, 2, 3, 18a, 26, 39.
- Foreign bodies, 2.
- Lateral anastomosis, 11b, 17.
- Gunshot wound, 3.
- Chylous varices, 17.

*Appendix.*

- Inflammation, 18a, 96.
- Colloid carcinoma, 105.
- Enterolith, 26, 65.
- Pin, in, 103.
- Anomaly, 85a.

*Intestinal Contents.*

- Parasites, 2, 3, 8, 18a, 29, 35, 44, 47, 56a, 60, 62, 69, 73, 98, 107.

*Peritoneum.*

- Acute inflammation, 17.
- Adhesions, 3, 18a.
- Tuberculosis, 1, 17, (bovine).
- Carcinoma, 1.
- Omental tumours, 18a, 54.
- Hyaloserositis, 17, 18a.

*Liver.*

- Nutmeg, 2, 3, 11a, 17, 18a.
  - Infarction, 17, 62.
  - Abscess, 1, 10, 16, 17, 18a.
  - l'ylephlebitis, 2.
  - Suppurative cholangitis, 1, 27.
  - Cirrhosis, 1, 2, 3, 11b, 13, 17, 18a.
  - Syphilis, 2, 3, 11b, 17, 18a, 19.
  - Tuberculosis, 2, 4, 11b, 14, 18a, 53, (bovine).
  - Malaria, 11a.
  - Kala-azar, 11a.
  - Actinomycosis, 2.
  - Foaming, 17.
  - Echinococcus cyst, 18a.
  - Iron reaction in pernicious anemia, 2.
  - Leukæmia, 1, 78.
  - Banti's disease, 52.
  - Angioma, 1.
  - Angiosarcoma, 17.
  - Sarcoma, 2, 3, 11b, 17.
  - Malignant cystadenoma, 18a.
  - Carcinoma 2, 3, 15, 17, 18a, 21.
  - "    with cirrhosis, 17.
  - Cysts, 1, 3, 17.
  - Aplasia, 18a.
  - Acute yellow atrophy, 11b, 18a, 62.
  - Fatty infiltration, 18a.
  - Amyloid, 18a.
  - Rupture, 17, 18a.
  - Gunshot, 3.
- Gall-bladder.*
- Cholecystitis, 18a, 27.
  - Cholelithiasis, 18a, 71.
  - Melanosarcoma of common duct, 17.
  - Primary carcinoma, 17, 18a.

Digestive System—Con.

*Pancreas.*

- Fibrosis, 62.
- Tuberculosis, 18a.
- Hypernephroma, 99.
- Carcinoma, 18a, 72.
- Fat infiltration, 18a.
- Fat necrosis, 1.

**SPLEEN and DUCTLESS GLANDS.**

*Lymphatic Glands.*

- Hyperplasia, 3, 17, 18a.
- in typhoid, 17, 18a.
- " tuberculosis, 2, 14, 18a, 53.
- Melanosarcoma, 17.
- Carcinoma, 17.
- " colloid, 17.

*Spleen.*

- Accessory, 3, 18a.
- Supernumerary notches, 18a.
- Infarction, 2, 17, 18a.
- Passive congestion, 18a, 17.
- Hæmorrhagic splenitis, 17.
- Hyaloserositis, 17, 18a.
- Typhoid, 18a.
- Tuberculosis, 1, 3, 11b, 14, 17, 18a.
- Syphilitic fibrosis, 18a.
- Lymphatic leukæmia, 17.
- Myelogenous leukæmia, 78.
- Banti's disease, 53.
- Enlargement, 3, 11b, 17.
- Cyst, 18a.
- Sarcoma, 2.
- Atrophy, 3, 18a.
- Amyloid, 2, 18a.

*Thymus.*

- Enlarged, 16.

*Thyroid.*

- Goitre, 11b, 17, 18a, 95.
- Cyst, 39.
- Lipoma, 46.
- Malignant tumor, 46.
- Calcification, 18a.
- Calculi, 13, 98.

*Adrenals.*

- Tuberculosis, 17, 18a.
- Hypertrophy, 18a.
- Carcinoma, 17.

*Pituitary Body.*

- Enlargement, 18a.

**GENITO-URINARY SYSTEM.**

*Kidney.*

- Horseshoe, 4, 6, 17.
- Anomalous vessels, 17.
- Congenital absence, 17, 74.
- Infarction, 17, 62.
- Acute nephritis, 17.
- Large white kidney, 17.
- Chronic nephritis, 17, 19, 62.
- Pyelonephritis, 1, 17, 19.
- Abscesses in typhoid, 17.
- Hydatid cyst, 2.
- Tuberculosis, 3, 17, 26, 28, 33, 46, 104.
- Hydronephrosis, 3, 11b, 17, 54.
- Pyonephrosis, 3, 17, 19, 54.
- Nephrolithiasis, 2, 17, 54.
- Cystic kidney, 4, 11b, 17, 53, 54.
- Hypernephroma, 17, 27, 57.
- Sarcoma, 17.
- Lymphosarcoma, 43.
- Carcinoma, 17.
- Atrophy, 17.
- Compensatory hypertrophy, 17.
- Rupture, 17.
- Decapsulation, 17.

*Ureter.*

- Anomalies, 17.
- Calculus in, 54.
- Hypertrophy, 74.

*Bladder.*

- Patent urachus, 74.
- Cystitis, 17.
- Sacculus, 2, 17.
- Hypertrophy, 1.
- Polypus, 17.
- Gunshot wound, 3.

*Prostate.*

- Carcinoma, 2.

*Penis.*

- Hypospadias, 16.
- Carcinoma, 2, 3, 19.
- Os penile, (walrus) 93.

*Testis.*

- Triorchis, 3.
- Tuberculosis, 3, 17, 46.
- Sarcoma, 2, 3.
- Rhabdomyoma, 107.

Genito Urinary System—Con.

*Epididymus.*

Tuberculosis, 19.

*Serotum.*

Epithelioma, 57.

**FEMALE GENERATIVE SYSTEM.**

*Breast.*

Supernumerary nipple, 3.  
Cystic state, 2.  
Carcinoma, 2, 11b, 3, 17, 19, 39,  
53, 96.  
Sarcoma, 3.

*Vulva.*

Condyloma, 1.  
Epithelioma, 18d.  
Bartholinian cyst, 65.  
Adenoma, 11b,

*Vagina.*

Pressure ulcer, 18a.

*Uterus.*

Prolapse, 17, 18a.  
Bicornuate, 18a.  
Anomalous band, 18a.  
Lacerated cervix, 98.  
Catarrhal endometritis, 1.  
Septic " 1, 18a.  
Tuberculous " 1, 17.  
Membranous cast, 3.  
Chronic metritis, 18d.  
Septic thrombophlebitis, 1, 6, 18a.  
Fibromyoma, 2, 3, 18a, 18d, 34,  
45, 65, 67, 90b, 98.  
Calcified fibromyoma, 3.  
Polypi, 3, 18a, 18d, 19, 40, 54, 65,  
98.  
Adenomyoma, 18a.  
Carcinoma, 2, 3, 17, 18d, 19, 34,  
45.  
Sarcoma, 18a, 18d.  
Chorio-epithelioma, 65.

*Fallopian Tubes.*

Hydrosalpinx, 18d, 19.  
Pyosalpinx, 3, 18a, 18d.  
Hæmatosalpinx, 18d.  
Tuberculosis, 1, 3, 17, 18a, 18d,  
34.  
Tubovarian abscess, 65.

Female Generative System—Con.

*Ovary.*

Rudimentary ovary, 17.  
Graafian follicles and corpus  
luteum, 13, 18a, 18d.  
Cystic state, 1, 3, 17, 18d.  
Cyst, 3, 16, 17, 18a, 18d, 45, 65,  
67, 78, 98.  
Dermoid cyst, 1, 7, 8, 18d, 54, 96.  
Atrophy, 3.  
Fibroid of, 3, 2 (calcified).  
Mixed tumour, 65.  
Carcinoma, 3, 18d, 48, 65.  
Cystadenoma malignum, 18a, 90b.  
Endothelioma, 18d.  
Malignant papilloma, 18d.  
Hæmolith, 2.  
Calcification, 2.

*Gravid Uterus.*

After parturition, 1, 3, 18a.  
Fœtus and membranes in abor-  
tion, 16, 18d, 20, 25, 29, 41, 42,  
44, 59, 63a, 64a, 69, 77, 78, 79, 81,  
87, 89, 90, 91, 95, 97, 102.

*Placenta.*

Marginata, 16, 32.  
Succenturiata, 16.  
Twin, 16, 32.  
Atrophic, 16.  
Syphilis, 16.  
Hæmorrhage into, 16.  
Disease, 59.

*Anomalies of Gestation.*

Ectopic gestation, 3, 17, 18d, 34,  
90b, 65, 97.  
Hydatid mole, 3, 16, 18d, 78.  
Fœtus papyraceus, 32.

*Monstrosities.*

Duplicity, 3, 96.  
Anencephalus, 16, 30b, 67, 72, 75,  
78, 79, 88.  
Exencephalus, 24.  
Hyperencephalus, 98.  
Notencephalus, 40a.  
Spina bifida, 55, 59, 72, 78.  
Cheilognathoschisis, 3.  
Gastroschisis, 50, 78.  
Imperforate urethra, 29.  
Talipes varus, 55.  
Polydactylism, 40, 96.

## NERVOUS SYSTEM.

### Membranes.

- Pachymeningitis, 13.
- " " hæmorrhagica, 1, 11b, 17.
- Subdural hæmorrhage, 13.
- Fibroma of dura, 18b.
- Endothelioma of dura, 18b.
- Cerebrospinal meningitis, 1, 17, 18a, 18b.
- Tuberculous meningitis, 18a, 17.
- Calcification of arachnoid, 17.
- Thrombosis of longitudinal sinus, 17.

### Brain.

- Asymmetry, 13.
- Internal hydrocephalus, 18a, 18b.
- Softening, 1, 13.
- Hæmorrhage, 1, 13, 17, 18a, 18b.
- " traumatic, 18a.
- " in arteriosclerosis 18a.
- Thrombosis, 18b.
- Abscess, 1, 18b.
- In sleeping sickness, 100.
- Tuberculoma, 18a.
- Glioma, 1, 11b, 18b.
- Pseudoma, 18b.
- Gliosarcoma, 18b.
- Osteosarcoma, 18a.
- Epithelioma, 18a.
- Tumour of pons, 96.
- " " cerebellum, 96.
- Atrophy, 18a.
- Laceration, 18a.
- Bullet wound, 18a.

### Spinal Cord.

- Anterior poliomyelitis, 9, 106,

### Eye.

- Tumour of orbit, 31, 86.
- Palpebral tumor, 92.
- Chronic iridocyclitis, 31.
- Phthisis bulbi, 31.
- Anterior synechia, 31.
- Detachment of retina, 31.
- Ulcer of cornea, 31.
- Chronic keratitis, 31.
- Keratitis striata, 31.
- Staphyloma of cornea, 31.
- Scleral staphyloma, 31.
- Glaucoma, 31.
- Gunshot wound, 31.
- Tuberculosis of iris, 101.
- Foreign body in globe, 31.

## Nervous System—Con.

### Ear.

- Aural polyp, 30.
- Suppurative otitis media, 105.
- " mastoiditis, 105.
- Tuberculosis of mastoid, 105.

## MUSCULO CUTANEOUS SYSTEM.

### Skin.

- Leprosy, 3.
- Sebaceous cyst, 68.
- Sarcoma, 3.
- Bullet wound, 71.
- Tattooing, 3, 11b.

### Muscle.

- Fatty infiltration (sheep), 59.
- Gunshot of diaphragm, 18a.
- Tendon torn off, 3.

## OSSEOUS SYSTEM.

NOTE.—In addition to the sources indexed below, a very large collection of fractures and gunshot wounds of all bones will be found under *Donor 3, Army Medical Museum.*

### Skull.

- Fœtal, 2.
- Craniotabes, 16.
- Thickening, 1, 2.
- Osteoporosis, 2.
- Depression, 3.
- Spyhilitic osteitis, 18a, 17.
- " necrosis, 3, 96.
- Exostoses, 2.
- Myeloma, 17.
- Sabre-cuts, 3.
- Suppurative mastoiditis, 105.
- Myeloid sarcoma of palate, 2.
- Sarcoma of maxilla, 17.
- Carcinoma of " 3.
- Gunshot wound, 17a.

### Spine.

- Spina bifida, 16, 55, 59, 67, 72, 78.
- Curvature, 1, 2, 3.
- Osteogenesis imperfecta, 16.
- Rickets, 1.
- Acute osteomyelitis, 14.

Osseous System—Con.

Anchylosis, 3.  
Tuberculosis, 2, 3, 18a.  
Osteoarthritis, 18a.  
Pressure absorption, 3.  
Exostoses, 3.  
Myeloma, 17.  
Fracture, 18a, 71.

*Ribs.*

Malposed cartilage, 3, 18a.  
Bifid state, 18a.  
Rickety rosary, 2.  
Melanosarcoma, 1.  
Chondro-sarcoma, 2.  
Myeloma, 17.

*Sternum.*

Gunshot wound, 18a.

*Clavicle.*

Osteomyelitis, 2.  
Fracture, 1, 13.

*Shoulder-joint.*

Anchylosis of scapula, 3.  
Enchondroma, 92.  
Suppurative arthritis, 3.

*Humerus.*

Osteomyelitis, 3.  
Rickets, 1.  
Enchondroma, 1.  
Carcinoma, 1.  
Sarcoma, 2, 17, 95.  
Fracture, 5, 90b.  
Separation of epiphyses, 3.

*Elbow-joint.*

Anchylosis, 3.  
Tuberculous arthritis, 2.  
Dislocation, 13.

*Radius and Ulna.*

Osteitis, 3.  
Osteomyelitis, 3.  
Fracture, 13.

*Bones of Hand and Wrist.*

Anchylosis of finger, 3.  
Spina ventosa of finger, 2.  
Osteitis deformans, 5.  
Necrosis of thumb, 3.  
Fracture, 2.

*Hip-joint.*

Anchylosis, 2, 3, 13, 18a.  
Arthritis deformans, 1, 5.  
Destructive arthritis, 3.  
Tuberculous arthritis, 1, 18a.

Osseous System—Con.

*Pelvis.*

Osteomyelitis, 3.  
Rickets, 1.  
Fracture, 5.

*Femur.*

Curvature, 3.  
Osteitis, 2.  
Osteomyelitis, 1, 3, 18c.  
Achondroplasia, 18a.  
Tuberculosis, 18c.  
Rickets, 1, 2.  
Enchondroma, 1.  
Sarcoma, 2, 18c.  
Carcinoma, 1.  
Exostoses, 3, 13.  
Osteochondritis syphilitica, 1.

*Knee-joint.*

Arthritis after injury, 2.  
Septic arthritis, 3.  
Anchylosis, 2, 3.  
Tuberculous arthritis, 2, 3.  
Syphilitic arthritis, 3.  
Chareot's joint, 95.  
Loose cartilage in joint, 2, 3, 11b,  
61, 96.

*Tibia and Fibula.*

Osteitis, 2.  
Periostitis, 3.  
Osteomyelitis, 2, 3.  
Rickets, 1.  
Tuberculosis, 3.  
Syphilis, 3.  
Exostoses, 2.  
Platycnæmia, 3.  
Fracture, 2.  
Amputation-stump, 3.

*Ankle-joint and Foot.*

Talipes varus, 28, 55.  
Polydactylism, 40.  
Osteitis deformans, 5.

REGIONAL.

*Head.*

Carcinoma of jaw, 2, 27, 46.

*Extremities.*

Polydactylism, 3, 40, 97.  
Absence of metacarpal bone, 3.  
Onychogryposis of toe, 18a.  
Hammer-toe, 2.

Regional—Con.

- Tuberculosis of foot, 2.
- Neuro-fibroma of arm, 57.
- Neuroma of stump, 3, 17.
- Sarcoma of thigh, 18c.
- "    "    foot, 17.
- "    "    mediastinum, 18a.
- Carcinoma of finger, 2.
- "    "    thumb, 3.
- Gangrene of foot, 2, 3, 17.
- "    "    finger, 18a, 36.

*Organs.*

- In obliterated hepatic vein, 18a.
- "    arterio-sclerosis, 18a, 21.
- "    Banti's disease, 52.
- "    achondroplasia, 18a.
- "    leprosy, 3.
- "    congenital syphilis, 16.
- "    tuberculosis, 2, 18a.
- "    sarcomatosis, 18a.
- "    melano-sarcoma, 18a.
- "    lympho-sarcoma of kidney, 18  
        18a, 43.
- "    new growth of thyroid, 18a.
- "    secondary carcinoma, 18a.
- "    carcinoma of bronchus, 18a.
- "    cholelithiasis, 18a.
- "    bone perforating œsophagus,  
        18a.

MISCELLANEOUS.

*Calculi.*

- Salivary, 3, 37, 39, 90.
- Biliary, 1, 2, 3, 18a, 18c, 46, 71,  
    90b, 96.
- Renal, 2, 3, 18a, 18c, 96, 103.
- Vesical, 2, 3, 18a, 18c, 96, 103.
- Urethral, 26, 64.
- Enteroliths, 3, 26, 54, 65.
- Foreign Bodies*, 2, 3, 17, 39, 54, 96,  
    103.
- Parasites*, 2, 3, 8, 29, 35, 44, 47, 60,  
    62, 69, 73, 100, 106, 107.
- Infections*, 11, 62, 100, 106, 108, 90a,  
    100, 101, 106.
- Pulse tracing*, 80.
- Charts*, 100.
- Bullets*, 3, 71a, 96.
- Instruments*, 109.
- Plaster casts*, 3, 85.
- Monstrosities*, 3, 11b, 16, 24, 29, 30b,  
    40a, 50, 59, 67, 72, 75, 78, 79, 79a,  
    88, 96, 98.
- Tropical Diseases*, 11a, 100.
- Experimental*, 37a.

VETERINARY.

- Organs*, 2, 3, 56, 59, 79a, 86, 92.

## DESCRIPTIVE LIST OF DONATIONS RECEIVED

### I. IN THE MUSEUM OF PATHOLOGY.

#### FROM INSTITUTIONS ABROAD.

#### I. FROM THE PATHOLOGICAL MUSEUM OF THE CHARITÉ HOSPITAL, BERLIN, GERMANY, THROUGH PROF. JOHANNES ORTH:—

**Circulatory System:**—Acute pericarditis (2866f); embolus in iliac artery (2852).

**Respiratory System:**—Carcinoma gelatinosum of pleura (2831).

**Digestive System:**—*Tongue:*—Tuberculous ulceration (2841).

*Stomach:*—Haemorrhagic erosions of gastric mucosa (2833); carcinoma planum (2837): large *ulcus simplex* with perforation and gaping vessels in floor (2866).

*Intestines:*—Enteritis nodularis (2848): uraemic ulcers (2856): typhoidal ulcers (2838): tuberculous ulcers (2858).

*Peritoneum:*—Carcinoma metastases (2861): tuberculous peritonitis (2858).

*Liver:*—Multiple abscesses (2854): leukamic lymphomata (2866c): suppurative cholangitis with multiple abscesses and green discoloration (2866): angioma (2857): cyst (2834): gallstone (2827). Fat necrosis of pancreas (2864).

**Glandular System:**—Tuberculosis of spleen (2866b).

**Urogenital System:**—Ascending pyelonephritis (2860). Hypertrophy of trabeculae of bladder (2839).

**Female Generative System:**—Condyloma (2832). Tuberculous endometritis (2844): endometritis et metritis purulenta (2849): uterus, tube and ovary show

ing cystic ovary and fungoid state of endometrium (3259): puerperal uterus with blood cast in situ (2850): septic thrombophlebitis of uterus (2865). Tuberculosis of Fallopian tubes (2846). Dermoid cyst of ovary (2836).

**Nervous System:**—Pachymeningitis hæmorrhagica (2862). Cerebral softening (2853, after hæmorrhage; 2847, in arteriosclerosis): cerebral abscess after otitis media (2851): glioma in left temporal lobe and recent hæmorrhage adjacent (2340). Purulent epidemic cerebrospinal meningitis (2843).

**Osseous System:**—Comminuted fracture of skull (2822): thickening and irregularity of inner table of frontal bone (2824). Pott's curvature of spine (2820): scoliosis in lower dorsal region of spine (2821): kyphosis and osteitis of dorsal and lumbar spine (2829): rickets (2828, lumbar and sacral vertebrae, radius, femurs, right tibia and fibula; 2859, periosteal changes in femur, tibia, and humerus): melanosarcoma of rib (2863): united fracture of clavicle (2826): spontaneous fracture of shaft of humerus in carcinoma metastases (2855): tuberculous hip-joint (2823): arthritis deformans of head of femur (2825): impacted intracapsular fracture of neck (2235): purulent osteomyelitis of shaft (2842): metastatic carcinoma of femur (2845): osteochondritis syphilitica of lower end (2866): cartilaginous changes in ends of shafts (enchondroma) of femur and humerus (2866a).

2. FROM ST. BARTHOLOMEW'S HOSPITAL, LONDON, (THROUGH DR. T. W. ANDREWES, PATHOLOGIST.)

**Circulatory System:**—Acute pericarditis (2260): pyopericardium (2311). Congenital malformation of heart (2259; 2262; 2266, incomplete double heart with pulmonary stenosis and rechtslage of aorta). Aortic stenosis (2250); aortic and mitral stenosis (2281; 2339). Embolism of middle cerebral artery (3069). Aneurysm of aorta (2252, dissecting; 2274;

2283; 2338): aneurysm of popliteal artery (2251): bicuspid aortic valve with dissecting aneurysm of ascending aorta above sinus of Valsalva (3085).

**Respiratory System:**—Carcinoma of larynx (2289). Fibrinous cast from bronchi (2308). Bronchiecatic cavities in lung (2264): gangrene of lung (2271): sarcoma of lung (2299). Secondary carcinoma of pleura (2303).

**Digestive System:** Epithelioma of tongue (3078).

*Œsophagus* :—Stricture (2309): carcinoma (2307).

*Stomach* :—Poisoning by hydrochloric acid (3079): perforated gastric ulcer (2273): hypertrophic stenosis of pylorus in child (2292).

*Intestines* :—Tuberculous ulceration (2263; 2268): simple ulceration (2270): polypus (2291): carcinoma (2287; 2269, of anus): intussusception (2305): anomalous septum (3044): foreign bodies from rectum (3294); gastro-discus from colon of horse (3314).

*Liver* :—Iron reaction in pernicious anæmia (2256): fatty and nutmeg change (3261): fatty change (3264): portal cirrhosis (2279; 2337): syphilitic cirrhosis (2267): gumma formation (2336): suppurative pylephlebitis (2290): actinomycosis (2304): tuberculous cholangitis (2312): sarcoma (3260): secondary carcinoma (3262).

**Glandular System:**—Tuberculous glands from axilla (2254): caseous mesenteric glands (2258).

*Spleen* :—Infarction (2246; 2294; 3816): sarcoma (2301): amyloid change (3077): hydatid cyst (2265).

**Genito-Urinary System:**—Renal calculi impacted (2242). Sarcoma of testis and epididymus (2314). Hypertrophy of prostate (2335): carcinoma of prostate and sacculus of bladder (2293). Carcinoma of penis (2282).

**Female Generative System:**—Tumour of breast (2310): carcinoma of breast (2243; 2255): cystic breast (2306). Carcinoma of cervix uteri (2253). Calcified fibroid of ovary (2302): calcification of ovary (3076): hæmolith from ovary, and large fibroid of uterus (3047).

**Musculo-Cutaneous:**—Sarcoma of skin (2276).

**Osseous System:**—*Skull*: From normal fœtus (2316): from normal adult (2240); in carcinoma of crura cerebri (2331): thickening (2332): extensive absorption (2333): trephining (2321): bullet wound (3042): exostosis (2340). Myeloid sarcoma of palate (3082).

*Ribs*:—New growth (2247): chondro-sarcoma (2244): rickety rosary (2245).

*Spine*:—Tuberculous caries (2248): curvature (3070).

*Upper Extremity*:—Osteomyelitis of clavicle (3063): tuberculosis of elbow-joint (2296): fracture of bones of hand (2317): spina ventosa of finger (3053): periosteal sarcoma (2275; 2372).

*Femur*:—Chronic inflammation (2277): osteoarthritis (2257; 2295; (2228): sarcoma (2272; 2280; 2286; 2376; 3260): fracture of neck (2399; 2241; 3313): repaired fracture (2329): united fracture (2327): chronic osteitis of long bone of cow (2344d): ankylosis of hip-joint (2297; 2322): rickets (3311).

*Knee-joint*: Tuberculosis (2285; 3080): arthritis after injury (2328; 3081): osteomyelitis (2298): ankylosis (2341): loose cartilage (3054).

*Tibia*:—Disease (2324; 2318): osteomyelitis (2320; 2325; 2342): tumour (2323): exostosis (2343): inflammation of head (2334; 2344a): osteitis of shaft (2344b): rarefying osteitis (2344c): fracture of tibia and fibula (2330).

Hyperplasia of red bone marrow in pernicious anæmia (3312): bones of cow in arsenic poisoning (2315): Osteitis deformans (2288).

**Organs:**—Experimental tuberculosis of guinea pig (3084): carcinoma of jaw (2261): carcinoma of finger (2278): gangrene of foot with ulceration between 1st and 2nd toe (2249): tuberculosis of foot (2284): hammer-toe (2300).

Also the important Craven collection of calculi: Vesical, (2957; 3043; 3045; 3049 to 3052; 3055 to 3058; 3059 to 3061; 3064; 3071 to 3074; 3296 to 3299; 3301 to 3303): renal (3065; 3298; 3300): urethral (2302): gallstones (2958; 3060; 3068; 3083; 3295; 3302): gum elastic catheter removed from bladder (3048): unclassified, (3066; 3067; 3075).

3. FROM THE ARMY MEDICAL MUSEUM, WASHINGTON, D.C.  
(MAJOR F. F. RUSSELL, CURATOR.)

**Circulatory System:**—*Heart:*—Pericarditis fibrinosa (2170; 2172; 2173); pericarditis purulenta (2177): pericarditis tuberculosa (2165): chronic adhesive pericarditis 2079; 2174, with calcification; 2081). Normal organ (2364): bifid apex (2207): anomalous chordae tendineae (2171): mural aneurysm (2095; 2168): ecchymoses on epicardium (2164): atrophy (2074): fatty change with rupture (2076): brown atrophy (2149): malignant endocarditis (2096; 2146; 2188; 2209; 2368): chronic valvular disease (1933; 1936; 2070; 2082; 2084; 2085; 2090; 2169, mitral stenosis; 2176, aortic stenosis): gunshot laceration (1870; 1932; 1934; 2073): hypertrophy and dilatation in chronic nephritis (2080; 2235): idiopathic hypertrophy (2175).

*Arteries:*—Atheroma of arteries at base of brain (1879): mycotic aneurysm of sinus of Valsalva rupturing into pericardium (2119): aneurysm of aorta (1935; 2078, of ascending aorta rupturing into the pericardium; 2088, of the arch pressing on trachea; 2068, of the descending aorta opposite the coeliac axis; 2083, fusiform of the arch; 2087, of the thoracic aorta rupturing into

pleura; 2366, of the arch with erosion of sternum): gunshot laceration of the aorta (2118); thrombosis of pulmonary artery (2072).

**Respiratory System:**—*Nose*:—Congenital tumour (1846): polypi (2200).

*Larynx*:—Oedema (2214): tuberculosis (2224; 2231): diphtheritic membrane (2222): carcinoma (2213; 2217): calcification (2226): tracheal casts in diphtheria (2185; 2186; 2223).

*Lung*:—Subpleural ecchymoses (1903): accessory lobulation and emphysema (1900; 2114, interstitial): infarction (2153; 2158): broncho-pneumonia (2156; 2158): abscess (2099): atelectasis (2216): tuberculosis (2102; 2148; 2150; 2152; 2154; 2167; 2208; 2229; 2234): sarcoma (2160; 2162): carcinoma (2157; 2161; 2228): gunshot wound (1910; 2215): coal miner's lung (2203).

*Pleura*:—Tuberculous pleurisy (2212): chronic adhesions (2357): alveolar sarcoma (2346): carcinoma (1927; 2159): calcification (1926; 2230): empyema (2220): stellate thickening (1882).

**Digestive System:**—Chronic gastritis (2107; 2109).

*Intestine*:—Diverticula of ileum (1891): of colon (2100): of duodenum (1914): enlarged follicles in ileum (1896): colitis polyposa (1885): pseudo-membranous colitis (1866): ulceration of colon (2100; 2108): inflammatory thickening with peritoneal adhesions (1912): healing typhoid ulcers (1888): tuberculosis (2101): intussusception (1893): gunshot wound (1880; 1915): peritoneal adhesions (2345).

*Liver*:—Portal cirrhosis (2093): cardiac cirrhosis (2094): syphilis (2112): cyst (2071): angiosarcoma (2097): carcinoma (2361): gunshot laceration (1873; 2106).

Also about 150 *teeth* (1815 to 1831; 2048; 2237) showing processes of atrophy, caries, hyper

trophy, inflammation, etc., many from Sioux Indians or half-breeds.

*Parasites*:—*Taenia* (2187, from fish; 2201, from dog): *Uncinaria americana* (2194): *Oesophagostoma* from sheep (2195): *Dermacentor anderssonii* (2370).

**Glandular System**:—Enlarged mesenteric glands (1886; 1894). Accessory spleens (1892): spleens showing atrophy (1872; 1913; 1921): hypertrophy (1906; 1924): tuberculosis (1902; 2365).

**Genito-Urinary System**:—Tuberculosis of kidney (1887): hydronephrosis (1925; 2092; 2358): pyonephrosis (2363). Tuberculosis of testicle (1876; 1898): sarcoma of testicle (1907; 1908): triorchis (1884). Gunshot wound of bladder (1874). Cancer of penis (1917; 1923).

**Female Generative System**:—*Breast*:—Supernumerary nipple (2075): carcinoma (2225; 2227; 2236): sarcoma (2211).

*Uterus*:—Fibromata (1868; 1877; 2163; 2362, calcified): fibrous polyp in uterine canal (2218): puerperal metritis (2205; 2206; 2221): carcinoma (1881; 2151; 2155; 2210; 2232): membranous cast (1890).

*Appendages*:—*Pyosalpinx* (1877; 2110 and 2190, tuberculous; 2192): cysts of ovary, parovarium and broad ligament (1869; 1881; 1901, dermoid; 1929; 2069; 2077; 2086; 2089; 2104; 2182; 2219): corpora lutea (2116; 2191, in cystic ovary): cystic ovary (2091): atrophy of ovary (1875; 1909): carcinoma of ovary (1871; 1895; 1930). Pelvic peritonitis (2345).

*Anomalies of Development and Gestation*:—Kitten with two faces, anterior duplicity (2197): kitten with 8 extremities, posterior duplicity, (2198): bird with 3rd leg (2199): dicephalic lamb (2204): human foetus showing cheilognathoschisis

(2371). Hydatid mole (2166). Tubal gestation (2193).

**Nervous System:—Meninges:—**Tumour of dura (1899): pachymeningitis hæmorrhagica (2147; 2184): basal meningitis (2179): cerebrospinal meningitis (2233): bony plates in falx cerebri (2183).

**Brain: Cerebral hæmorrhage** (2178; 2196; 2369): sarcoma (2181): glioma (2202): hydrocephalus and flattening of convolutions (2180).

**Musculo-Cutaneous System:—**Tattooing of skin of negro (1920): tendon of flexor longus pollicis torn off (2113).

**Osseous and Articular System:—Skull:—Disease:—**Depression of cranial vault (2488): depression of parietal bone in epileptic, removed by trephining (2572): old depressed fracture of frontal bone in epileptic (2801): superficial caries of frontal bone (2807): sequestrum of lacrymal and frontal bones, probably syphilitic (2015): syphilitic ulceration of frontal bone (2808). **Injuries other than Gunshot:—**Sabre-cuts (2509; 2530; 2550): fracture of frontal bone (2560; 2715, depressed of both tables with repair): triangular defect from blow by hoe (2556): circular defect from blow from windlass (2466): iron arrowhead impacted in temporal bone ((2573): fracture of parietal bone (2483, depressed: 2533, with necrosis; 2547): bone removed by trephine after fracture (1841; 1852; 1853; 1854; 2037). **Gunshot wounds:—**Fracture of frontal bone (1842; 2722, comminuted; 2726, raised, stellate; 2728, with contusion and fissuring; 2811, depressed with fissure into frontal sinus): fracture of occipital bone (2562; 2709); fracture of cranium (2813): fracture of parietal bones (2731; 2732; 2801): perforation of parietal bone (2701): comminuted depressed fracture of temporal fossa (2697): skulls with wounds of entrance and exit (2700;

2703; 2705; 2706; 2707): comminuted fracture of cranium of horse with perforation of frontal and shattering of ethmoid and sphenoid (2702): removal of bones of face by a ball passing in through left and out through right orbit (2708).

*Maxilla*:—Weather-erosion of jaw (1950): carcinoma (1968; 2035): united fracture (2475): gunshot Fracture (2605; 2688; 2724).

*Vertebrae*:—*Disease*:—Bony ankylosis of atlas with occiput following dislocation (2428): ankylosis of cervical region (2418; 2438): of 12th dorsal with 1st lumbar (2402): of sacrum with last lumbar and os innominatum (1975): lateral curvature (2742; 2794): anterior curvature with ankylosis and caries ((2440): lateral and posterior curvature with caries (2767): caries and curvature in dorsal region (2775): exostosis with caries of last lumbar and 1st dorsal (2771): pressure absorption from aneurysm (2404). *Injury other than Gunshot*:—Fracture of cervical vertebrae (1967; 2030; 2414; 2457): fracture of 12th dorsal and 1st lumbar (2449): blade of penknife in body of dorsal vertebra (2454). *Gunshot wounds*: Fracture of body of 7th cervical (2814): of lamina of 5th cervical with impaction of bullet and necrosis (2689): necrosis of 6th and 7th cervical from contusion by bullet entering through lower jaw (2727): bullet imbedded in 7th cervical (2716): fracture of processes of 5th, 6th and 7th dorsal with beginning necrosis (2725): bullet lodged between 4th and 5th dorsal with fracture of pedicle and necrosis (2694): bullet lodged in canal behind 3rd dorsal (2695): perforation of 2nd lumbar with fracture of transverse process (2690): fracture of 3rd, 4th and 5th lumbar with impaction of ball (2682): perforation and extensive shattering of 4th lumbar (2690): impaction of bullet in body of 3rd lumbar (2704).

*Ribs and Sternum*:—Malposition of costal cartilages (1964). Fracture of ribs, from Indian mound showing healing (1940): united fracture of ribs (1945; 2421; 2424): ununited fracture of ribs (2405). *Gunshot wounds*: — Comminuted fracture of sternum and 4th rib (2000): fracture of ribs (2687, with excessive callus but non-union; 2710, and 2729, with necrosis, ball entering lung).

*Humerus and bones of Shoulder*: — *Disease*: — False ankylosis of scapula and humerus (2784): resection of humerus in suppurative inflammation of shoulder-joint (2019): cancellated amputation stump of humerus (2799): sequestra in osteomyelitis of humerus (2018; 2751): separation of epiphyses of humerus and perforation of olecranon (1995): inflammatory thickening of shafts of humerus and ulna and separation of epiphyses (2003). *Injury other than Gunshot*: Fracture of clavicle (1947; 1948; 2465): fracture of scapula (2413, united; 2431, recent): humerus shattered by club (2422): fracture of shaft of humerus (1965 and 2434, united; 2436, comminuted; 1996 and 2450, malunited; 2425, ununited; 1952, 1955 and 1956, with resection for osteomyelitis following fracture): bones of arm and forearm amputated for osteomyelitis after comminuted fracture (2435): ununited fracture of lower end of humerus amputated after three weeks (1965): united fracture of both condyles of humerus and ankylosis with ulna (2781): separation of inner condyle of humerus (1943). *Gunshot wounds*: Comminuted fracture of clavicle (2671; 2675): fracture of scapula (2655; 2679; 2680; 2816): fracture of head of humerus (2633; 2469, with fracture of glenoid cavity of scapula; 2663; 2683, and 2711, with fracture of surgical neck; 2684; 2685; 2692, with vertical splitting of shaft; 2693; 2698; 2723): ball lodged between tuberosities of

humerus (2717): comminuted fracture of shaft of humerus (2583, with perforation by bullet; 2615; 2646; 2647; 2654; 2670; 2721): shattering of shaft (2667; 2712; 2809): fracture of surgical neck and fissuring of shaft (2673): longitudinal fissuring of shaft (2666): simple fracture of shaft (2034; 2681, and 2691, transverse; 2730, with partial union and necrosis; 2761, with sequestrum formation): amputation stump of humerus in osteomyelitis following gunshot (2744; 2769; 2785): excision of fractured shaft in osteomyelitis following gunshot (1944; 2415): fracture of lower end of humerus dividing trochlea (2628; 2656, with shattering of head of radius; 2658; 2686, comminuted; 2653, and 2672, with destruction of outer condyle; 2656; 2658): fracture of outer condyle of humerus (2638, with transverse fracture above condyles; 2592, and 2660 with necrosis): destruction of outer condyle with longitudinal splintering of lower end of humerus and ball impacted (2678).

*Bones of Elbow-Joint, Forearm and Hand :—Disease :*

Ankylosis of elbow-joint (2804): osteitis and periostitis of bones of arm (2031; 2032; 2033): inflammation of ulna (1998; 2737, excision for necrosis): amputation stump of forearm (2567; 2778): necrosis of thumb (1844): ankylosis of finger-joint (2010). *Injury other than Gunshot* :—Comminuted fracture of elbow-joint (1951; 1960): fracture of ulna (1991, united; 1997, united, with much callus; 2016, malunited, with ankylosis of elbow; 2430, malunited by callus with shaft of radius; 2448 and 2455, united): comminuted fracture of radius (2020): of radius and ulna (2614): sequestrum enclosed in meagre involucrum of lower part of radius in osteomyelitis following excision of fractured head of bone (2441): bones of wrist-joint in Colles' fracture experimentally

produced (1938; 1946; 1954; 1963; 1969; 1973; 2005; 2014; 2029): united fracture of metacarpal bone (1849). *Gunshot wounds*: Fracture of inner condyle and splitting off of olecranon (2665): caries and absorption of olecranon in erysipelas following gunshot (2674): caries of tip of olecranon in gangrene following flesh wound (2651): resection of portion of radius in gunshot wound of elbow (2013): shattering of bones of elbow-joint with sequestrum of head of radius (2718): fracture of ulna (2659, carrying off olecranon; 2635 and 2677, comminuted; 2662, ununited with necrosis; 2007, malunited with excessive callus; 2642, resection of fractured shaft; 2696, shattering of upper end): fracture of radius (2720, comminuted; 2648, partly united, with necrosis; 2650, longitudinal splintering and transverse fracture): gunshot wound of forearm (2715): fracture of both bones of forearm (2645, with shattering of upper ends; 2661; 2803 and 2805, ununited; 1961, malunited): chipping of head of radius (2633): comminuted fracture of upper third of radius with fissuring of ulna (2669): fracture of bones of wrist (1848; 2555, with perforation of joint; 2582; 2590; 2595; 2599, of os] magnum and unciform and shattering of two metacarpals; 2641, of lower end of radius and carpus and three metacarpal bones); greater half of radiocarpal articulation carried off and shaft of radius obliquely fractured (2664): fracture of lower end of ulna and carpus with efforts at repair (2668): lower end of ulna carried off with caries of carpus and shafts of long bones (2676): fracture of second middle phalangeal joint (2812): fracture of 3rd and 4th metacarpals and first phalanx of ring finger (2575): comminution of 3rd and 4th metacarpals (2580): bones of hand amputated for severe flesh lacerations (2492): sequestrum of radius and ulna in osteomyelitis

following amputation for gunshot fracture of wrist (2788).

*Bones of hip-joint:—Disease:—*Osteomyelitis of pelvis (2780): ankylosis of os innominatum with femur in extreme flexion (2745): excision of upper end of femur in chronic destructive arthritis (1974; 2006). *Gunshot Wounds:—*Perforation of ileum by bullet (2036; 2568; 2626): shot impaction in ileum (1966): fracture of sacrum and ileum (2617): contusion of ischium and border of acetabulum by ball opening joint (2545): contusion and chipping of inner surface of femur by ball lodged in thyroid foramen (2571): splitting off of head of femur by ball lodged in acetabulum (2578): secondary caries of articular surfaces (2622): fracture of great trochanter with bony ankylosis of joint (2639).

*Femur:—*Upper end of normal femur (1912): post-mortem perforations in shaft made by pick (1953): *Disease:—*Caries of head after flesh wound (2619): arthritis deformans of head (1958): stump re-amputated for enlargement and deficient covering (2793): exostoses of shaft (2437): anteroposterior curvature of shaft (2772): spontaneous transverse fracture in osteoporosis following long illness (1988) chronic osteomyelitis of upper third (2008; 2009): erosion of articular surfaces of condyles in septic arthritis (1970; 1986; 2736): sequestra of shaft in osteomyelitis following amputation (2733; 2735; 2746; 2747; 2750; 2753; 2755; 2756; 2765; 2777; 2779; 2783; 2789; 2790; 2796). *Injury:—*Impacted extracapsular fracture of head (2011; 2462): simple fracture of neck (2408): united fracture through trochanters (2419): united, through trochanteric ridge (2497): comminuted just below trochanters, with malunion and excessive callus (2411): ununited fracture of shaft (2027): comminuted of shaft (1937; 2017; 2432, extending into knee-joint; 2445, with malunion; 2452; 2458):

malunited simple fracture (2409; 2423): portions of bone removed from femur in osteomyelitis following fracture (1937). *Gunshot Wounds*:—Fracture of head of femur (2600, with shattering and splitting off of great trochanter; 2598, with shattering and impaction of ball; 2601, with erosion of articular surfaces and impaction of bullet; 2637, with partial absorption of head through caries): excision of fractured head (2631): fracture of great trochanter with ball impacted (2594): great trochanter carried away by grapeshot (2652): intracapsular fracture of neck with impaction of bullet (2579): with perforation of neck and oblique fracture between trochanters (2591): greater portion of neck carried off by bullet and subsequent osteomyelitis (2719): comminuted fracture at level of trochanter minor (2566; 2625): necrosis of shaft following contusion (2589; 2657): ununited oblique fracture of upper end (2664): comminuted fracture just below trochanters with impaction of ball and osteomyelitis (2535): oblique fracture of shaft (2542, malunited; 2596): longitudinal fracture of shaft with impaction of ball between condyles (2025): fracture in lower third with extensive caries (2613): in middle third with sequestrum and partial involucrum (2602): transverse fracture (2624; 2644): simple fracture in lower half (2629): stellate fracture of shaft with beginning necrosis (2585): perforation by bullet (2519; 2518 and 2634, with comminution): comminuted fracture of shaft (2549; 2586; 2588; 2608, with partial union and much deformity; 2620; 2621; 2623; 2632; 2636; 2643; 2570, 2581, and 2618, with bullet lodged in shaft): malunited fracture of shaft (2541; 2543; 2565, with necrosis and sequestrum formation; 2609): fracture just below trochanters with partial union and excessive callus (2569): ununited fracture with necrosis of lower

third of shaft (2587; 2612, with sequestrum formation); longitudinally curved fracture of upper half with impaction of bullet below trochanters (2640): oblique fracture of lower third with crushing of anterior surface by shell (2559): oblique fracture two inches above patella (2584): fracture of lower end (2512; 2540; 2514 and 2554, with impaction of ball): grooving of lower end by bullet that wounded popliteal artery (2511); destruction of lower end and fissuring of shaft (2630): amputation stump after gunshot wound (2748; 2416; 2760 and 2787, showing osteomyelitis): sequestra of shaft in gangrene after gunshot (2740; 2746; 2764; 2768).

*Bones of Knee-joint:—Disease:—*Amputation for syphilitic caries (2762): tuberculous arthritis (2774): ankylosis (1994; 2763; 2806): loose body (fragment of bone) in joint in synovitis (1851).  
*Injury:—*Fracture of patella (1962; 2782, with ligamentous union): fracture of upper end of tibia involving knee-joint (2473). *Gunshot Wounds:—*Caries of articular surfaces (2513, following fracture; 2507, following flesh wound of thigh): necrosis following contusion (2516): grooving of upper border of both condyles by rifle ball (2529): fracture of outer condyle of femur (2496; 2501, with impaction of ball; 2520; 2521): splitting off of outer condyle by ball lodging in joint (2539): transverse perforation of condyles (2532): fracture of inner condyle (2522; 2525): outer condyle split off and inner condyle fractured on posterior surface (2563): fracture of inner condyle and anterior border of tibia and fibula (2552): grazing of patella and grooving of articular surfaces (2524): comminuted fracture of all bones (2526; 2527): splitting of head of tibia (2537): comminuted fracture of inner condyle and heads of tibia and perforation of patella (2531): fracture of patella and oblique fracture of femur above condyles (2557): fracture of patella and

lower end of femur (2502; 2534; 2544): splitting of patella by ball lodged in inner condyle of femur (2610): compound comminuted fracture of patella (1847): ankylosis of knee-joint with adherence of patella to outer condyle following flesh wound (2714): fracture of lower end of femur by ball entering just above condyle and passing downward into joint shattering head of tibia (2528): perforation of base of femur with much splintering and extensive secondary ulceration of the joint (2523): splitting of patella and grooving of internal condyle (2491): fracture of upper end of tibia involving knee-joint (2473; 2477, with perforation and fissuring of shaft; 2786, with perforation of joint; 2538; 1979, and 2551, with ball imbedded).

*Bones of leg:* Fibula and tibia from Indian mound shewing infiltration with sand and roots (2001; 2009). *Disease:* Absorption of head of tibia (2798): periostitis (2395): osteomyelitis of tibia with sequestrum (1990; 2026; 2360; 2406; 2754; 2758; 2770; 2773; 2792): sequestrum of tibia in large involucrum, crushing by waggon (2426): syphilitic thickening of tibia (2817): tuberculosis of shaft (2739; 2741, of tibia only): caries of shaft (2360; 2403, of tibia only; 2757): abscesses in medullary canal of tibia (2498): amputation stump of both bones (2024; 2776, sequestrum in involucrum; 2800): platycnaemia of shaft of tibia (2002). *Injury:* Fracture of both bones (2407; 2417; 2427; 2442, united; 2429, 2446, with nonunion; 2815, with false joint formation; 2021, with excessive callus, but nonunion; 2456, malunited; 2433, comminuted; 2417, amputated for osteomyelitis): fracture of tibia only (2397; 2412; 2420, united; 2443, with necrosis and beginning involucrum; 2463, comminuted; 2499). *Gunshot Wounds:*—Fracture of tibia (1957; 2460; 2467; 2479; 2468; 2486, with osteomyelitis; 2504; 2792):

comminuted fracture of tibia (2487; 2489; 2558); impaction of bullet in shaft of tibia (2494; 2510); necrosis of tibia following contusion (2399; 2485; 2490); perforation and longitudinal fissuring of upper end of tibia (2515): fracture of tibia just above malleolus (2508): fracture of fibula with osteomyelitis (2503): fracture of both bones (2470, with destruction of tibial arteries; 2546; 2574; 2597; 2627): perforation and fissuring of upper end of tibia and transverse fracture of fibula (2548): comminuted fracture of lower third of tibia and weight fracture of fibula (2576): transverse grooving of upper part of both bones by rifle ball (2577): malunited fracture of both bones with retention of ball and abundant callus (2607): comminuted fracture of tibia and contusion of fibula (2536); fracture of lower end of both bones (2482; 2564 and 2593, with impaction of ball): stump of leg amputated (2802, for indolent ulcer after gunshot wound; 2795, for gangrene following gunshot; 2791, for osteomyelitis following amputation for gunshot): sequestra of tibia in gangrene following gunshot (1990; 2754; 2758; 2792).

*Bones of ankle-joint and foot:—Injury other than gunshot:—*Pott's fracture of fibula (1942, with fragment of steel driven into tibia; 2022; 2028; 2444): excision of astragalus in compound fracture (1993; 2012): bones of foot amputated (1949, after compound fracture; 2400, after comminuted fracture). *Gunshot wounds:—*Ankle-joint opened and calcaneum and internal malleolus slightly fractured (2459): fracture of lower end of both bones involving ankle (2611); fracture of astragalus and lower end of tibia (2472; 2480; 2506): fracture of lower end of tibia involving ankle (2468; 2471; 2474): fracture of external malleolus, astragalus and os calcis (2484): shattering of fibula and grooving of tibia and astra-

galus (2476): fracture of inner malleolus (2517; 2603, with absorption of astragalus): fracture of inner malleolus and astragalus with chipping of internal cuneiform (2461): fracture of astragalus and os calcis (2464; 2505): fracture of os calcis (2478; 2481; 2493, perforation; 1981 and 1982, impaction of shot): shattering of tarsus and calcaneum (2500): fracture of tarsus (2458 and 2606, with ankylosis; 2469; 2495; 2553): erosion of head of astragalus after gunshot wound in joint amputated by Syme's method (1939).

**Plaster Casts:**—*Casts* of left foot and lower part of leg (2066): of amputation stump of leg (1992): of head of femur in old united fracture (1989): of impacted intracapsular fracture of head of femur (3 specimens) (1985).

**Organs:**—Skin, face and intestines in leprosy (1867): supernumerary finger (2067): congenital absence of metacarpal bone of thumb (1931); gangrene of thumb (1897): cancer of thumb (1916): neuroma of amputation stump of tibia and fibula (2004); gangrene of foot (1905).

**Calculi:**—Calculus from submaxillary gland (2367): enteroliths (1834 and 1838, faecal concretions; 2124, gallstones articulating with each other): gall bladder stuffed with faceted calculi (2141): gall stones (1833, weighing 85 grains; 1839, from ductus communis; 1840; 2126 to 2138; 2140): renal calculi (2142, oxalates; 2143, stag-horn): vesical (2130, cystin; 2125; 2128; 2129; 2131; 2133 to 2136; 2144; 2145): urethral (1850; 2132).

**Foreign Bodies:**—Fish hook from eyelid of Indian girl (1832): beans from nose (1836): fragment of bone removed from uterus (1837): fragment of bone (salmon?) penetrating perineum from rectum (1843): splinter of wood removed from nose after 12 years lodgment (1845).

**Bullets, etc, from American War and other Sources:—**

Musket-ball from the battle of Waterloo, bearing inscription and date (1857): ball from gunshot wound found in pelvis having passed through ileum (1858; 1859); conoidal ball from head of tibia, removed with bullet forceps after six months (1860): from fibula (1864): bullet or grape-shot with fragments of adherent bone or clothing (2041; 1855; 1856; 1862; 1980; 2041): grape-shot (1984; 2038): bullets (1861; 1863; 1976; 1977; 1978; 1983; 2039; 2040).

**Veterinary:—**Tongue of pony torn out, constriction about centre (1918): bovine tuberculosis of lung and pleura (1928; 2117; 2359): of great omentum (1883): of peritoneum covering liver (2105): dilatation of œsophagus of horse (1877): intestine in swine plague (1889; 1919): ulceration of colon of seal in taeniasis (1911): gizzard and œsophagus of chicken showing ulceration (1922): hypertrophy of spleen of pig with perisplenitis (1906): exostoses from bones of American moose (2749): exostosis from bullock (2766): Indian arrowhead in rib of buffalo (2401): ankylosis of vertebrae of horse (2738); lumbar vertebrae from deer, body of 4th destroyed by caries (actinomycosis?) (2752): lateral curvature of sacrum of chicken (2398): malunited fracture of humerus of fowl (1959; 2446): congenital dislocation of 1st interphalangeal joint of calf (2023): fracture of 2nd and 3rd phalanges and uncial bones of horse (2239): malunited fracture of femur of chicken-hawk (2410); repaired fracture of os innominatum of horse (2439); spur injury of feet of hen (1971): hoof of horse showing inflammation and exostoses (1865): tuberculosis of kidney (1887); ankylosis of vertebrae in haddock (2396).

**Zoological:—**A large collection of the skeletons of the smaller vertebrates for use in the Museum of Comparative Anatomy. (See list of donors in Museum of Anatomy).

4. FROM THE SHADWELL CHILDREN'S HOSPITAL, LONDON ENGLAND (PRESENTED BY MR. PRITCHARD.)

Purulent pericarditis (3255; 3256; 3265): tuberculosis of lungs and peribronchial glands with left-sided pleurisy (3254): tuberculosis of lungs in guinea pig (3257): tuberculosis of liver (3263): horse shoe kidney (3258)

5. FROM THE ANATOMICAL DEPARTMENT OF TRINITY COLLEGE, DUBLIN (THROUGH PROFESSOR DIXON).

Osteitis deformans and old united fracture of pelvis (3984): osteitis deformans of bones of hand and foot (3987): malunited fracture of neck of humerus (3985).

6. FROM THE PATHOLOGICAL DEPARTMENT OF THE BABIES' HOSPITAL, NEW YORK, (PRESENTED BY DR. MARTHA WOLLS-TEIN.)

Purulent pericarditis (1800): congenital cardiac disease (1801, defects in auricular and ventricular septa; 1802, defect of auricular septum, and dilatation of pulmonary artery; 1803, defect of auricular septum, patent foramen ovale, and ductus arteriosus; 1805, patent ductus arteriosus; 1806, aortic stenosis): cystic kidney (1804): horseshoe kidney (1807).

7. FROM THE PRINCE EDWARD ISLAND HOSPITAL, CHARLOTTETOWN, P.E.I. (THROUGH DR. W. W. CHIPMAN.)

Dermoid cysts of ovary (3619).

BY EXCHANGE THROUGH THE INTERNATIONAL ASSOCIATION OF MEDICAL MUSEUMS.

8. FROM PROF. ASKANAZY, UNIVERSITY OF GENEVA, SWITZERLAND.

The following parasites:—*Dibothriocephalus latus* complete worm) (3776): female *Ancylostoma duodenale* 3777; *Opisthorchus felinus* (distoma) from East Prussia, from a man dying of cancer of the pancreas (3778): larvae of *Dibothriocephalus latus* taken from the *Lota vulgaris* (3779).

9. FROM PROF. FRANCIS HARBITZ, UNIVERSITY OF KRISTIANA, NORWAY.

The tissues for microscopic examination, and a full set of microscopic preparations from two cases of acute anterior poliomyelitis, also a copy of the book by Harbitz and Scheele, "*Pathological Investigations into Acute Poliomyelitis and allied Diseases from the Epidemics of 1903 to 1906*," Jacob Dybwad, Kristiania, 1907, in which these cases are reported in full.

10. FROM MAJOR F. F. RUSSELL, THE ARMY MEDICAL MUSEUM, WASHINGTON, D. C.

Rupture of the heart (3914): abscess of liver (3913, in dysentery; 3916): amoebic ulceration of colon (3917): sac of cerebral meningocele (3915).

11. FROM THE FEDERAL PLAGUE LABORATORY, SAN FRANCISCO, CALIFORNIA.

Material from experimental plague (4056, the organs preserved in Kaiserling's solution, from six animals suffering from acute and subacute plague, natural, and artificially produced; 4057, a set of microscopic slides showing involution forms of *B. pestis*, and bacillus of rat leprosy).

11a. FROM THE LONDON SCHOOL OF TROPICAL MEDICINE, (THROUGH DR. H. B. NEWHAM).

Malarial spleen and brain with parasitism in capillaries (4180): kala-azar liver and spleen (4181).

11b. FROM PROF. W. G. MACCALLUM, COLLEGE OF PHYSICIANS AND SURGEONS, NEW YORK.

Heart showing mitral stenosis (4289): cardinae aneurysm (4293): traumatic rupture (4295):

fibroid myocarditis (4317): patent ductus (4288). Aneurysm of aorta (4291). Lung showing passive congestion (4278): infarction (4304): pneumonia (4307, pseudolobular; 4336, lobular after ingestion of kaolin; 4277, interstitial): bronchiectasis (4290): tuberculosis (4340): carcinoma (4334; 4339): melanotic sarcoma (4448): anthracosis 4294; 4332): diaphragmatic pleurisy (4303). Intestine showing anastomosis (4280): diverticula (4300): syphilitic ulceration (4333). Tuberculous peritonitis 4305; 4315). Liver showing healed gummata (4286): tuberculosis (4287; 4301): haemochromatosis (4297): nutmeg state (4299, with generation of lobules; 4314): cirrhosis (4302; 4310; 4318, with extensive regeneration; 4342, syphilitic): necroses (4306; 4313): melanotic sarcoma (4308): acute yellow atrophy (4311). Spleen in cirrhosis of liver (4302): in carcinoma (4338): in tuberculosis (4341). Colloid cystic goitre (4279; 4281), Kindly with cyst (4298): hydronephrosis (4319). Breast showing carcinoma (4283; 4316): adenoma (4284, with intracanalicular growth; 4285). Uterus containing decidua in extrauterine gestation (4312). Pachymeningitis hemorrhagica (4309): subdural glioma of brain (4296). Skin with tattooing (4331). Fish with anomalous fin and crab without eye stalks (4343).

FROM INSTITUTIONS IN THE CITY OF MONTREAL.

(ALPHABETICALLY ARRANGED.)

12. FROM THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES (THROUGH DR. O. KLOTZ).

Gangrene of lung (3146): false membrane extending through trachea into small bronchi in diphtheria (3429): retro-pharyngeal abscess (3755).

13. FROM THE DISSECTING-ROOM, MCGILL UNIVERSITY,  
(THROUGH PROFESSOR J. G. MACARTHY AND MR. WM. MUIR.)

Inflammatory thickening and stenosis of colon (3982): hypertrophic cirrhosis of liver (3988): calculus from thyroid (3575): marked asymmetry of cerebral hemispheres (3587): left-sided pachymeningitis (3588): haemorrhage and thickening of dura (1812): softening of right cerebral hemisphere (3819): cerebral haemorrhage (4088; 4169; 4170): old fracture of coronoid process of inferior maxilla (3309): ankylosis of sacro-iliac joint (3999): clavicle showing callus formation at seat of old fracture (4089): old dislocation of elbow-joint (3574): exostoses of femur (3573): impacted extracapsular fracture of neck (3572): enlargement of pituitary body (4125): malunited fracture of ulna and radius (4167; 4168).

14. FROM THE MONTREAL FOUNDLING HOSPITAL, (THROUGH DR. McCRAE.)

So-called aneurysm of ductus arteriosus (3326): patent ductus arteriosus and slight stenosis at isthmus (3461): dysenteric enterocolitis (3417): miliary tuberculosis of liver, caseous tuberculosis of lung and hypertrophy and dilatation of heart (3358): tuberculosis of peribronchial and mesenteric glands, kidneys, lung and spleen (3325): bicornuate uterus (3329): dolichocephalic skull (3097): acute osteomyelitis of 10th and 11th dorsal vertebrae (3376).

15. FROM THE HOTEL-DIEU, MONTREAL. (THROUGH DR. LATREILLE.)

Carcinoma of liver, gangrenous cavity in lung (3771).

16. FROM THE MONTREAL MATERNITY HOSPITAL, (THROUGH DRS. LITTLE AND KLOTZ.)

Placenta showing marginal attachment of cord and velamentous insertion and cyst (3171): anencephalic monster (3292): hydatidiform mole (3545):

ovarian cyst removed at Caesarean section (3547): placenta praevia (3548; 3549): placenta from homologous twins (3907): placenta succenturiata (3586; 3904): placenta with large central clot from rupture of vessels (3903): syphilitic placenta (3905): atrophic placenta, child born dead (3912): induced abortion in 26th week (3590): complete ovum in miscarriage at 7th month (3620): enlarged thymus, fat deposit beneath pleura, and hypospadias (3113): osteogenesis imperfecta (3117): syphilitic epiphysitis (3330): tuberculosis of intestine and larynx (3331): spina bifida and cranio-tabes (3363): thrombosis of uterine and ovarian arteries (347C): necroses of liver in eclampsia (3569): subepicardiae haemorrhages and multiple ulcers of stomach (3562): organs in congenital syphilis (3957): diseased placenta, cord adherent to amnion (4034).

17. FROM THE PATHOLOGICAL DEPARTMENT OF THE MONTREAL GENERAL HOSPITAL, through DRS. C. W. DUVAL, S. B. WOLBACH, and R. P. CAMPBELL, PATHOLOGISTS.

**Circulatory System:—Heart:—**Acute pericarditis (2989; 4044): milk spots on pericardium (3535): persistent ostium primum and double mitral orifice (2959): four aortic cusps with fusion of two of these, and aneurysm of sinus of Valsalva (2986): bicuspid aortic valve (4103b): malignant endocarditis (3028, with rupture of chordae tendineae; 3180; 3183; 3221; 3492, with mycotic aneurysm of aorta): chronic valvular disease (3184, 3510 and 3897, mitral stenosis; 3250, aortic insufficiency; 3494, aortic stenosis; 3896, aortic and mitral stenosis; 3498, fusion of aortic cusps): myocarditis in rheumatism (3950): tuberculosis (2977): aneurysm and thrombosis of coronary arteries (2969), fibroid myocarditis and mural aneurysm (4106): mural thrombi in heart (4108; 4109).

**Arteries:—**Thrombosis (2986, of pulmonary; 3132, of iliaes; 3229 and 4067, of abdominal aorta; 4070,

of femoral): atheroma of aorta (3001): arteriosclerosis of cerebral arteries (4074): aneurysm of aorta (3226, ruptured; 3228, dissecting into heart muscle; 3233, pressing on trachea; 3234, 3534 and 4118, multiple; 4101, healed dissecting; 4102, ruptured abdominal aortic): "perforating ulcer" of the aorta (3493, of thoracic, rupturing into the lung; 3813, of abdominal, rupturing into retroperitoneal tissue.)

**Respiratory System:**—*Larynx*:—Traumatic rupture (4065). Traumatic rupture of bronchus (4113).

*Lung*:—Infarction (2975; 3275): pneumonia (2976, 3176, 3177, 3178 and 3227 lobar; 4073, deglutition, with abscess formation): tuberculosis (2965; 2774; 3272; 3276; 4063; 4111, miliary): new growth (3232): carcinoma (3181; 3273; 3502): bronchiectasis (3005): obstruction of bronchus by bean (3892).

*Pleura*:—Localized empyema (3248): primary purulent pleurisy of pneumococcus origin (3274).

**Digestive System:**—Carcinoma of tongue (2980). Oesophagus in poisoning with caustic potash (3237a; 3239; 3891): in carcinoma (3009): with foreign body lodged (3900): dilatation of oesophagus and varicose veins (4105). Cirrhosis of stomach (3899): chronic gastritis (3172): gastric ulcer (2992; 3041): carcinoma of stomach (2993; 3003; 3017).

*Intestines*:—Diverticulum (3495): polyp (3179): enteritis polyposa (3014; 3175): typhoid (2967; 2990; 3174; 3287; 4062; 4264c; 4075a; 4075b; 4081; 4104) dysenteric ulceration (3016; 4066b): carcinoma (2991, of rectum; 3036; 3038; 4071, invading kidney): lateral anastomosis (2973): chylous varices (4080): bovine tuberculosis of mesentery, (2988): bovine; 4114, miliary): acute peritonitis (3241).

*Liver*:—Fatty nutmeg change (3021): red infarct (3893): abscesses (3220; 3531; 4066a): portal cirrhosis (3031; 3533; 3895a, with hyaloseritis and

chronic cholecystitis; 4110, with bronzing of skin): syphilitic cirrhosis (3228; 4103): tuberculous capsulitis (4072a): metastases in hypernephroma (3267; 3536): sarcoma (3010; 3037, melanotic): angiosarcoma (2962): carcinoma (3018, with cirrhosis; 3017; 3035; 4068; 4112): congenital cyst (4079): foaming liver (3008; 4111a): rupture (2964; 3011): alveolar melanosarcoma of common bile-duct (3386): primary carcinoma of gall-bladder (2972).

**Glandular System:**—*Lymphatic Glands:*—Hyperplasia (2961; 4064a, in typhoid): melanosarcoma (2979): metastatic carcinoma (3242).

*Spleen:*—Infarction (3221; 3529; 3532; 4064b): hæmorrhagic state (3227): passive congestion (4103a): tuberculosis (3173; 3281, acute miliary; 4072b): hyaloseritis (3022; 3895b, and splenomegaly): lymphatic leukæmia (3530).

Tuberculosis of adrenals in Addison's disease (3270; 3285): tumour of adrenal (2981; 3027; 3273, carcinoma). Hypertrophy of thyroid (2960; 2978; 3286).

**Genito-Urinary System:**—*Kidney:*—Horseshoe shape (3559): double renal vessels (2963): infarction (3179): acute parenchymatous nephritis (3039): large white kidney (3019; 3033): small white kidney (3012): pyelonephritis (3504): pyonephrosis (3501): multiple abscesses in typhoid (4069): tuberculosis (3270, 3272, miliary; 3496, in horseshoe kidney; 3499; 3507; 3508; 3514; 3560): hypernephroma (3182; 3539): calculus formation (3491; 3505; 3557; 3561): sarcoma (3497): carcinoma (3502): cyst (3013): hydronephrosis of one kidney with atrophy of the other (3506): hypertrophy of one and congenital absence of the other (3515): rupture (3223): kidney decapsulated for chronic nephritis two years before death (4077).

*Ureter*:—Bilateral double (3247; 4076): bifid state (3509): blind ending of right, in congenital absence of kidney (4078).

*Bladder*:—Sacculus (3563): cystitis (3230): polypus (3503).

*Genitalia*:—Tuberculosis (3249, of testicle; 3023, of epididymus.)

**Female Generative System**:—Carcinoma of breast (3015). Prolapse of uterus (3246): tuberculosis of uterus and adnexa ( ): carcinoma of cervix and vagina (3242). Sarcoma of ovary (3238): ovarian cyst (2970; 3240; 3512): cystic ovary (3020): rudimentary ovary (4107). Ectopic gestation (3225).

**Nervous System**:—Pachymeningitis hæmorrhagica (2968): calcification of spinal arachnoid (4061): cerebrospinal meningitis (2971; 4115b; 4116, tuberculous): cerebral hæmorrhage (3026; 3266; 3269; 3283): thrombosis of superior longitudinal sinus (4115a): cerebral softening (4419).

**Osseous System**:—Syphilitic ulceration of calvarium (4103d): sarcoma of humerus (3284): sarcoma of jaw (3516): myeloma of ribs, dorsolumbar spine and calvarium (3894): tuberculosis of cervical vertebræ (4117).

**Organs**:—Sarcoma of foot (3224): gangrene of foot in frost-bite (3025; 3898): painful amputation stump (2982): evulsion of finger (3024).

18. FROM THE PATHOLOGICAL DEPARTMENT OF THE ROYAL VICTORIA HOSPITAL. PROFESSOR J. G. ADAMI, PATHOLOGIST.

(a) AUTOPSY MATERIAL, THROUGH DRS. KLOTZ, GRUNER AND McCRAE:

**Circulatory System**:—*Heart*:—Acute pericarditis (3359; 3431; 3833; 2044): hypoplasia of heart and aorta (3147): anomalous bands (3148 and 3178, in right auricle; 3471, in left auricle): defect of the interventricular septum at the base (3947): pulmonary valve with four cusps (3959): subaortic crescentic

fold (4097): mural thrombus (3373; 3556): extensive laminated thrombus in left auricle channelled by currents from pulmonary veins in a case of mitral stenosis (3612): acute endocarditis (3485; 3577; 3851; 3960; 3964; 3965, malignant): chronic valvular disease (3368, aortic stenosis; 3375 and 3444, mitral stenosis; 3554 and 4051, fusion of aortic cusps; 3836): fibroid myocarditis in arteriosclerosis of coronaries (4035, with mural aneurysm; 4055): miliary tuberculosis (3320), hypertrophy and dilatation (4029): hypertrophy of the left ventricle (3845, concentric; 3966, in generalized arteriosclerosis): calcification of the mitral valve (3357): myomalacia cordis (4083).

*Vessels*:—Normal aorta in infant (3856): coarctation of the aorta (3328): diverticulum of the pulmonary artery (3333): thrombus in sinus of Valsalva (3750): aorta in blood imbibition (3934; 4004a): arteriosclerosis of splenic arteries (3969): aneurysm of aorta (3114; 3364; 3409; 3838, filled with laminated clot, pressing against left bronchus and producing an abscess in the peribronchial tissue, which ruptured into the lung): aneurysm of internal carotid artery (4050): thrombosis of veins (3141, of gastric, splenic and mesenteric; 3472, of adrenal): aneurysmal varix (4039).

**Respiratory System**:—*Larynx*:—Ulceration in typhoid (3123): oedema in erysipelas complicating typhoid (3216): ankylosis of crico-arytenoid joints following typhoid (3217): tuberculosis (3206; 4004b), papilloma (3192): carcinoma (2548).

*Lung*:—Infarction (3362, 3522 and 3828, grey or septic; 4016 and 4035, multiple red): broncho-pneumonia (3149): lobar pneumonia (3194, 3375 and 3431, with delayed resolution terminating in abscess; 3607; 4027, terminating in gangrene): abscess (3411; 3480): tuberculosis (3140, 3143 and 2097, miliary; 3206; 3245; 3319; 3321; 3323;

3327; 3367; 3418; 3855; 3970): mediastinal sarcoma invading lung (4008): carcinoma (3126, 3947, secondary; 4030): gangrene (3481): atelectasis (2355; 3145, in anomalous diaphragm; 3324; 3523): anthracosis (3410): bullous emphysema (4138).

*Pleura*:—Empyema (3827; 4005; 4006, with atelectasis and apical tuberculosis): adhesive pleurisy (2357).

**Digestive System:**—*Mouth and Pharynx*:—Tuberculosis of tongue (3206): decubitus ulcer of pharynx exposing aë of thyroid (3393): retropharyngeal abscess (3755).

*Œsophagus*:—Diverticulum (3369), stricture (3441): carcinoma (3136; 3152; 4084): leukoplakia (3525).

*Stomach*:—Hour-glass shape (3527): changes in pernicious anæmia (3371): acute gastritis (3622): chronic gastritis (3965): multiple erosions of mucosa (4022): acute dilatation in pressure from hæmatoma of mesentery (3622): abscess between greater curvature and pancreas (3480): miliary tuberculosis (4031): scirrhous carcinoma (3199; 3391; 3486): carcinoma with metastases in lungs, tongue, trachea and aorta (3365): gastric ulcers (3126; 3139; 3400; 3408; 3473; 3526; 4016): atrophy (3353): gunshot wound (3474): gastro-entotomy (3100; 3121; 3834).

*Intestines*:—Diverticulum (3120, 3153 and 3403, Meckel's; 4003, multiple): congenital narrowing (3433): external hæmorrhoids (3524): acute colitis (3414): colitis polyposa (3849): stricture (3118 and 3608, of rectum; 3395): ulceration (3195, exogenous, of duodenum with biliary necrosis and stone in ampulla of Vater; 3362 and 3456, uræmic): ulcer (3821, of rectum; 3829, duodenal, with gastrectasis): anchylostomiasis (3929): typhoidal ulceration (3190; 3378, with swollen follicles in appendix; 3450, multiple perforations of large in-

testine; 3483; 3484; 3528; 3840; 3856; 4011. with adhesion of omentum to base of ulcer; 4046; 4051; 4053, gangrene following thrombosis in typhoid): tuberculosis (3124; 3130; 3143; 3193; 3319; 3377; 3404; 3405; 4028): catarrhal appendicitis (4037): large appendices epiploicæ (3453): lipoma (3112; 3450): polyp (3756, of rectum; 3956, of sigmoid): new growth (3832): cancer (3477, of rectum with metastases in liver: 3751, of duodenum with perforation of diaphragm and pericardial sac): brown pigmentation (3852): gangrene (4035, of rectum in thrombosis of inferior hæmorrhoidal arteries; 4055, of almost the entire small intestine in thrombosis of mesenteric vein): intussusception (3151; 4129): perforation (3443).

*Peritoneum*:—Adhesions (2350, causing intestinal obstruction; 2353, 3099, between liver and spleen; 3452): tuberculosis (3131; 3193; 3858): omental tumour (2352): omental cysts (3953).

*Liver*:—Nutmeg change (3356; 4035): abscess (3411; traumatic; 3116, multiple; 3454; 3750, amœbic): scarring of under surface (3480): multilobular cirrhosis (4002a): hyaloseritis (2354, of bovine type; 3324; 3393; 4009): echinococcus cyst (3372): tuberculosis (3137; 3143; 3389 and 4097, miliary): syphilis (3440; 3476), carcinoma (3135; 3352; 3486; 3542; 3839; 3947): primary carcinoma of gall-bladder (4128): malignant cystadenoma (3754): aplasia (3191): necrosis (3129): amyloid (3127): localized fatty infiltration (3355): acute yellow atrophy (3971): chronic cholecystitis in cholelithiasis (3830; 4001): liver after cholecystotomy (3842): healed rupture (3433).

*Pancreas*:—Tuberculosis (3389): carcinoma (2877; 3580; 3830): fatty infiltration (3489; 3961).

**Glandular System**:—*Lymphatic Glands*:—Typhoidal adenitis (3190): tuberculosis (3125; 3193; 3319;

3384; 3397; 3855; 4002c; 4004): hyperplasia (4007): colloid cancer with calcification (4042).

*Spleen*:—Multiple accessory (3122): supernumerary notches (3360): passive congestion (4129): infarcts (3132; 3579, septic; 3374; 3392, with amyloid degeneration; 3853; 4035, with passive congestion): hyaloserousitis (3103; 3328; 3441; 3485; 4002d): swelling in typhoid (3190; 3446; 3484): syphilitic fibrosis (3570): tuberculosis (3140; 3320, miliary; 3418; 3313): cyst formation (3134): atrophy (3353).

*Thyroid*:—Calcification (3196): tuberculosis of thyroid (4097d): goitre (3396, colloid; 3402, parenchymatous; 4085, cystic and hæmorrhagic). Tuberculosis of adrenals (3954): hypertrophy of adrenals (3971).

**Urogenital System**:—*Kidney*:—Normal organ injected (3128), congenital cystic (3448): lobulated (3142): horseshoe (3449): anomalous shape (3134; 3134): hogback (3199): congestion (3379; 4035): uratic infarct (3335): early infarction with suppurating pyelitis (3374): cloudy swelling (3479): hæmorrhagic pyelitis (3380): nephritis (3198; 3353; 3408 and 3409, chronic interstitial; 4029, mixed, with cysts; 4045, chronic parenchymatous): arteriosclerotic change (3191; 3362): tuberculosis (3143; 3323; 3370; 4012): hydronephrosis (3245; 3477): septic kidney in nephrolithiasis with diphtheritic cystitis (3144; 3820): staghorn calculus in pelvis (4044): cysts (3203; 3134; 3139; 3398).

*Ureter*:—Double (3105; 3356): dilatation (3381): partial stenosis (3960).

*Bladder*:—Diverticulum (3390): cystitis (3138; 3488, acute hæmorrhagic; 3828, acute ulcerative): trabeculated wall (3409): tuberculosis (3143): papilloma with acute purulent cystitis (3353): papilloma with hydronephrosis (3394): organ after excision of papilloma and after prostatectomy

(3101; 3605): traumatic rupture of bladder and urethra (3102).

*Prostate*:—Calculi (3441): hypertrophy (3450): carcinoma (3191; 3207).

*Testis*:—Hydrocele (3104; 3383).

**Female Generative System**:—*Uterus*:—Bicornuate (3355): deformity of cervix (3390): anomalous band (3524): prolapse, with pressure ulcer of vagina (3557): septic endometritis (2347; 3119; 3451; 3479; 3558; 3752): fibromyomata (3442; 3447; 3455): polyp (3150): adenomyoma (3352): myeloid sarcoma (3356): foetus in utero (2351; 3487): puerperal uterus in death from eclampsia (3133).

*Appendages*:—Double pyosalpinx (3526): tuberculosis of tube and ovary (3090; 3323; 3578): ovary showing Graafian follicles (3198): thrombophlebitis of ovarian vein and pelvic adhesions (4010): monolocular ovarian cyst (3093): cystadenoma malignum (3908, of ovary; 3837, metastases on pelvic floor).

**Nervous System**:—Meningitis of pneumococcus origin (3416; 3434; 4087, secondary to otitis media): tuberculous meningitis (3320).

*Brain*:—Cerebral hæmorrhage (3338; 3435; 3437, recent and old hæmorrhage in arteriosclerosis; 3436, traumatic hæmorrhage in fracture of skull; 3616): abscess (3154; 3405): acute ependymitis and internal hydrocephalus in cerebrospinal meningitis (4054): tuberculoma (3110; 3111; 3753, of cerebellum): osteosarcoma (3581): epithelioma (3438): senile atrophy (3336): laceration in fracture of skull (3582): bullet wound (3337).

**Musculo-Cutaneous System**:—Gunshot wound of diaphragm (3474).

**Osseous System**:—Syphilitic osteitis of skull (3408): osteo-arthritis of spine (3409): fracture of cervical spine (2349): tuberculous caries of lumbar verte-

bræ (3091): gunshot wound of sternum (3474): bifid rib (3098; 3189): anomalous costal cartilage (2356; 3100): tuberculous ankylosis of hip-joint (3092): ankylosis of knee-joint (3445): achondroplasia of femur (4038).

**Organs:**—Heart, liver and stomach in obliteration of hepatic vein (3399): heart, aorta and kidneys in arteriosclerosis (3854): onychogryphosis of great toe (3607): miliary tuberculosis (3358): sarcomatosis (3096; 3354): lymphosarcoma of kidney and mediastinal structures (3360): melanosarcoma of pancreas, heart, liver and intestines (3115): mediastinal sarcoma invading lung (3835): carcinoma of bronchus, secondary in liver, kidneys and lungs, and thrombosis of cava (3382): secondary carcinoma of organs (3407; 3413): bone perforating oesophagus with perioesophageal cellulitis and purulent pleurisy and pericarditis (3521): scirrhus carcinoma of sternum in direct extension from scirrhus of breast with metastases in liver and diaphragm (3651): new growth involving thyroid and mediastinal glands (3850): spine, ribs, placenta, and meninges in achondroplasia (4038): organs in cholelithiasis with peripancreatic abscess (4013): adenocarcinoma of colon with secondary *cancer en cuirasse* of pleura and peritoneum (4048).

**Calculi:**—Biliary (2894; 2895; 2898; 2906; 2908; 2912; 2917; 2919; 2926 to 2936, inclusive): biliary, from common duct (2870; 2914; 2916; 2918): renal (2896; 2899; 2900; 2910; 2915; 2924): vesical (2881; 2921): unclassified (2903; 2920).

(D) **NEUROLOGICAL MATERIAL**, through DR. C. K. RUSSEL:—

*Meninges:*—Fibroma of dura (3465): endothelioma of dura (3467): acute cerebro-spinal meningitis (3460).

*Brain:*—Abscess (3457): glioma of left prefrontal area (3458): psammoma (3459): multiple cerebral

thrombosis (3464): gliosarcoma (3466): cerebral hæmorrhage (3468): left hydrocephalus in obstruction in glioma of fourth ventricle (3469).

(c) SURGICAL PATHOLOGICAL MATERIAL, through PROF. JAMES BELL and DR. KEENAN :—

Meckel's diverticulum (3991): gangrenous appendix (3860): vertical section of normal femur (3995), tuberculous osteomyelitis (3993; 3994; 3996): osteomyelitis (3997, of femur; 3998, 4014 and 4032, of tibia): sarcoma of thigh (4082).

*Calculi*:—Biliary (2879; 2888; 2890; 2895; 2901; 2905; 2907; 2909): renal (2878): vesical (2882; 2884; 2886; 2893; 2897; 2902; 2904; 2911; 2913; 2522; 2925).

(d) GYNAECOLOGICAL MATERIAL, through PROFESSORS Wm. GARDNER and W. W. CHIPMAN.

*Vulva*:—Epithelioma (3723).

*Uterus*:—Chronic metritis (fibrosis uteri), with cystic degeneration of cervix (3658): chronic glandular endometritis, with chronic metritis (3659). Fibromyoma (3626, 3628 and 3661, submucous; 3646 and 3664, submucous with fibrous polyp protruding through os; 3648, submucous with septic fibrous polyp in uterine canal; 3697, submucous with fibrous polyp in uterine canal; 3630; 3633; 3634; 3652; 3660; 3665; 3667; 3670; 3674 and 3680, intramural; 3635; 3669; 3673 and 3682, intramural and intraligamentous; 3632, 3640, 3645, 3668, 3675, 3676 and 3678, intramural undergoing cystic degeneration; 3656, intramural undergoing central necrosis; 3625, 3666 and 3677, subperitoneal; 3649, subperitoneal and intraligamentous; 3681, subperitoneal becoming oedematous). Sarcoma of uterus (3642). Carcinoma of body of uterus (3627; 3644 and 3687, with fibromyomata; 3657; 3685): carcinoma of cervix (3655; 3662, with mucoid degeneration; 3671; 3688, with fibromyoma; 3692; 3712; 3726).

*Fallopian Tubes*:—Haematosalpinx (3689): double salpingo-ovaritis with ovarian cyst (3693): chronic salpingo-ovaritis of gonorrhoeal origin (3700, with double pyosalpinx; 3710, 3715, 3717 and 3725, with hydrosalpinx): tuberculous salpingo-ovaritis (3731).

*Ovaries*:—Multilocular cyst (3629, cedematous; 3631; 3636, with multiple fibromyomata uteri): intraligamentous cystoma (3706), unilocular cyst (3709): ovarian dermoid (3724, partly cystic, partly solid; 3637, complicating pregnancy; 3730, contents of cyst). Malignant papilloma (3638; 3683; 3690; 3716): ovarian endothelioma (3672; 3679): bilateral carcinoma with metastases in omentum (3663). Haemorrhagic corpus luteum with cysts in ovary and tube (3722).

*Gravid Uterus and Contents*:—Normal placenta (3624). Abortion (3643, at 4½ months; 3647, at 6½ months): missed abortion (3691): gestation sac in miscarriage at 8th week (3707; 3732).

*Anomalies of Gestation*:—Hydatid mole (3641). Ectopic gestation (3694, 3696, 3698, 3699, 3703, 3705, 3511, 3718, 3720, 3727 and 3729, tubal pregnancy with intratubal rupture; 3708, with intratubal rupture, gestation in right tube, left tube removed nine months previously for gestation in it; 3701, 3702, 3704, 3713, 3714, 3719, 3721 and 3728, with extratubal rupture).

19. FROM THE PATHOLOGICAL DEPARTMENT OF THE WESTERN HOSPITAL, MONTREAL, (through PROFESSOR A. G. NICHOLLS.)

Acute pericarditis of pneumococcus origin (3805): valvular disease of the heart (3804; 3806). Tuberculosis of lung (3800): calcification of pleura (3808). Multiple perforations of colon in typhoid (3811): medullary carcinoma of stomach (3802): syphilitic liver (3807). Pyonephrosis and pyelonephritis (3803): tuberculosis of vas deferens, semiral ves-

cles and epididymus (3799): epithelioma of penis (3797). Carcinoma of breast (3802, scirrhus; 3812, simplex): double hydrosalpinx and small polyp at external os of uterus (3798).

20. FROM THE WOMEN'S HOSPITAL, (through DR FREEDMAN.)  
Foetus in membranes, abortion in 3rd month (3782).
21. FROM THE PATHOLOGICAL DEPARTMENT OF VERDUN HOSPITAL, (through DRS. PORTEOUS, C. K. RUSSELL and W. HAND.)  
Infarction of lung, membranous colitis (3159): carcinoma of heart, lungs and liver with microscopic sections of same (3795): chronic interstitial nephritis with cyst (3621): thoracic organs showing emphysema, obsolescent pulmonary tuberculosis and arteriosclerosis (3653).

#### FROM INDIVIDUAL DONORS.

22. FROM DR. M. E. ABBOTT:—  
Patent ductus arteriosus (3617): casts from mucomembranous colitis (4032).
23. FROM PROFESSOR J. G. ADAMI:—  
Sarcoma from red trout (3733, *Mont. Med. Journ. March, 1908*. (See also 18a, Autopsy material from the Royal Victoria Hospital).
24. FROM DR. AINLEY, WADENA, SASK.:—  
Exencephalic monster at 7th month (3520).
- 24a. FROM DR. A. ROSS ALGUIRE, CORNWALL, ONT.:—  
Chorioepithelioma of uterus (4162).
25. FROM DR. DUNCAN ANDERSON:—  
Foetus with placenta at 6½ months, history of lues (3647).
26. FROM DR. ARCHIBALD:—  
Dissection of mesenteric arteries (3310): amputated leg in compound fracture (3317): enterolith from

appendix (3551): tuberculous pyelonephritis (3585): intussusception of sigmoid flexure of cat, protruding through anus (3920).

27. FROM PROFESSOR ARMSTRONG:—

Tumour of maxilla (2998; 3007): rupture of stomach (2999): resection of strangulated intestine (3000): adeno-carcinoma of cæcum (3040): hypernephroma of kidney (3268): acute gangrenous cholecystitis with stone in situ (3513): carcinoma of rectum (2991).

28. FROM PROFESSOR JAMES BELL:—

Epithelioma of larynx and upper part of oesophagus (3215): tuberculosis of kidney (3388). Talipes equino-varus (3596). (See also 18c, Surgical Pathological Material from the Royal Victoria Hospital).

29. FROM DR. BERNSTEIN:—

Foetus with imperforate urethra and general anasarca (3902): intestinal contents (4148): complete taenia mediocanellata (4149): two foetuses in abortion (4150).

30. FROM PROF. BIRKETT:—

Aural polyp removed from external auditory canal (3167): pieces of wood removed from subcutaneous traumatic abscesses of nose (3924): papilloma of uvula (3952): hæmangioma of nasal septum (4041).

30a. FROM DR. BLACKADER:—

Congenital cyst from trachea (4164).

30b. FROM DR. WM. BURNETT:—

Anencephalic monster with cervical spina bifida (4157).

31. FROM DR. GORDON BYERS:—

A fine series of enucleated eyeballs showing:—Ulcer of the cornea due to exposure (*keratitis e lago-phthalmo*), after excision of the eyelid for rodent ulcer at the inner canthus (3883): chronic iridocyclochoroiditis (3873): chronic iridocyclitis (3866, following wound of cornea, iris and lens; 3871, following foreign body in the globe; 3875, following blow without rupture; 3870, with anterior synechia and detachment of retina, following foreign body in the globe; 3874, with keratitis; 3868 and 3879, leading to atrophía bulbi): chronic iridocyclitis following perforating wound of the cornea and leading to atrophía bulbi (3885, reported *Trans. Am. Ophthal Soc. 1908*); atrophía bulbi showing keratitis striata (3877): phthisis bulbi (3869, with squaring of globe; 3872, from intraocular infection by foreign body): chronic keratocyclitis with dislocation of the lens resulting from a blow (3865): separation of the retina and secondary cataract (3881): staphyloma of the cornea (3867a): scleral staphyloma (3867b; 3884, in secondary glaucoma; 3886): glaucoma (3863, absolute; 3878, hæmorrhagic; 3880, secondary to kerato-iridocyclitis; 3876, secondary to vesicular keratitis and plastic iridocyclitis): bullet imbedded in the sclerotic (3864): epithelioma of the orbit (3882).

32. FROM PROF. J. C. CAMERON:—

Bilobed placenta with lateral insection of cord (3432): placenta, membranes and foetus from heterologous twin pregnancy, with foetus papyraceus (3815).

33. FROM DR. R. P. CAMPBELL:—

Specimens from eleven cases of tuberculosis of the kidney diagnosed by ureteral catheterization, ten removed at operation, one at autopsy (3339 to 3349, *Annals of Surgery, Vol. XLVIII, p. 13-32*).

34. FROM PROF. W. W. CHIPMAN:—

Double tuberculous pyosal pinx (3350; 3351): carcinoma of body of uterus extirpated at the age of 75 (3623): multiple fibroids of the uterus (3644, with early cancer of the corporeal mucosa; 3989): intraligamentous ectopic pregnancy rupturing at 7 months, recovery (3639). (See also 18d, Gynæcological material from the Royal Victoria Hospital).

35. FROM DR. CHOWN, WINNIPEG, MAN.:—

Multiple echinococcus cysts (3614).

36. FROM DR. HOWARD CHURCH:—

Gangrenous index finger, with distinct line of demarcation, amputated one week after crushing by a mangle (3794).

37. FROM DR. G. S. CLARK, RICHFORD, VERMONT:—

Calculus from submaxillary gland (2367).

37a. FROM DR. v. EBERTS:—

Organs of rabbits showing experimental pneumonectomy (4139; 4140).

38. FROM DR. EDGAR, NORTH HATLEY, QUE.:—

Heart in aortic atresia and mitral and tricuspid stenosis (3322).

39. FROM DR. ELDER:—

Cyst and thyroid (3279): salivary calculus (2885): carcinoma of breast (3500): foreign bodies, nails, carpet tacks, etc., removed from stomach by operation (3930): water colour sketch of intussusception through anus (3931).

40. FROM DR. F. R. ENGLAND:—

Polydactylism in foot of pig (3108): fibrous polyp in uterine canal (3109): fracture of base of skull (3781).

- 40a. FROM DR. ENRIGHT:—  
Female fœtus with meningo-encephalocele (not-  
encephalus (4126).
41. FROM DR. W. M. FISK:—  
Ovum from abortion (2238; 3087).
42. FROM DR. A. C. L. FOX:—  
Embryo at  $2\frac{1}{2}$  months (3334).
43. FROM DR. F. M. FRY:—  
Lymphosarcoma of kidney and ascending colon,  
secondary nodules in lungs (3366).
44. FROM DR. MARY FYFE:—  
Fœtus at 11 weeks (3212): macerated ascaris lum-  
bricoides (3552).
45. FROM PROF. W. GARDNER:—  
Fibroma uteri with obliteration of canal (3517): mul-  
tilocular bilateral ovarian cysts (3603): cyst of  
broad ligament (3462): carcinoma of body of ute-  
rus (3627). (See also 18d, Gynæcological mater-  
ial from the Royal Victoria Hospital).
46. FROM DR. GARROW:—  
Secondary epithelioma of the larynx (3213): spindle-  
celled sarcoma of the pharynx and oesophagus  
(3214): tuberculosis of the testicle (3518): ventral  
hernia of small intestine (3519): excision of  
tongue and lower jaw in carcinoma (3315): cal-  
culi (2875; 2887; 2889, biliary; 2911, vesical):  
tuberculosis of kidney (3772): malignant tumour of  
thyroid with lipoma (3857).
47. FROM J. GIROUX:—  
Complete *Tænia mediocanellata* (3591).
48. FROM DR. GOODALL:—  
Double cystic adeno-carcinoma of ovaries (3695).

49. FROM DR. A. H. GORDON:—  
Aneurysm of circle of Willis (3793, *Mont. Med. Journ. June 1907*).
50. FROM DR. CLARENCE GRAY:—  
Fœtus with gastroschisis and anomalies of sexual organs (3540).
51. FROM DR. H. D. HAMILTON:—  
Bronchial cast (3006).
52. FROM DR. W. F. HAMILTON:—  
Spleen, liver and stomach in Banti's disease (3439).  
(See also Donor No. 84).
53. FROM DR. HIGGINS:—  
Bovine tuberculosis (3107, of udder and lung; 3201, of liver; 3203, of pericardium; 3204, of mediastinal gland): cystic kidney in hog (3205): aspiration pneumonia in horse due to faulty administration of linseed oil (3202).
54. FROM DR. J. B. HARVIE, TROY, N.Y.:—  
Hairball removed by operation from stomach of a girl aged 11, recovery (3783, *Journ. Am. Med. Assoc. Feb. 15, 1908*): simple cyst of omentum (3788): two concretions from gall-bladder causing temporary intestinal obstruction passed by patient in a single evacuation, with relief of all symptoms (3784, *New York Med. Journ. April 11th, 1903*): left hydronephrosis due to obstruction of ureter by calculus (3785): stone in kidney and pyonephrosis (3786): idiopathic cyst of kidney (3787): double dermoid of ovaries (3789): large fibromyomatous polyp of uterus (3796).
55. FROM DR. HENDERSON:—  
Full-term infant showing hydrocephalus, spina bifida, spinal curvature and double talipes-varus (3790).

56. FROM DR. HOWITT, GUELPH:—

Tuberculosis and nephrolithiasis of kidney (3361).

56a. FROM DR. GEORGE HUME, SHERBROOKE:—

*Ascaris lumbricoides* (4160).

57. FROM DR. HUTCHISON:—

Hypernephroma (3222; 3511): neurofibroma from arm (3253): epithelioma of scrotum (3280).

58. FROM DR. JAMIESON:—

Polypoidal hypertrophy of left inferior turbinated bone (3083): true odontoma of antrum of Highmore (3963): enlarged tonsils (4124).

59. FROM DR. F. B. JONES:—

Foetus with membranes and placenta at about 4 months: ovum in abortion (3231, at 6th week; 3921, at 3½ months): foetus at 6½ months with lumbar spina bifida (3933): placenta (3187): plastic pericarditis and bronchopneumonia in sheep (3791): muscle from lower dorsal region showing extensive fatty infiltration (3792).

60. FROM DR. KAUFMANN:—

Dissection of normal turtle's heart (3814): dissection of the abdominal, and pelvic organs of foetus showing constituents of umbilical cord, namely the ductus venosus, both hypogastric arteries, and the allantois in their entire course (4060).

Seventy-two microscopic slides illustrating histological changes in diseased tissue and organs (4059): slides showing (a) ova of *tænia mediocanellata*, (b) ova of *bothriocephalus latus*, (c) *echinococcus* hooklets (4095).

61. FROM DRs. KEYS AND BLANCHARD, SHERWOOD, NORTH DAKOTA:—

Loose body, (bone and cartilage) removed by operation from knee-joint (3170).

62. FROM DR. OSKAR KLOTZ:—

15 aortas showing different degrees of arteriosclerosis (3734, *Brit. Med. Journ. Dec. 22nd, 1908*): arteriosclerotic patches at site of orifices of obliterated ductus arteriosus in aorta and pulmonary artery (4043): aortas in arteriosclerosis (3830; 3841; 3843; 3844; 3846; 3851; 3922; 3935; 3937: to 3944; 3937; 3972 to 3974; 4017 to 4021; 4024; 4026; 4036): experimental arteriosclerosis (3923; 1525b, series of aortas of rabbits showing results of inoculation experiments with digitalin, adrenalin, streptococcus, typhoid and diphtheria toxins, *Reported l. c.*): heart of rabbit showing hypertrophy after treatment with adrenalin, mounted with heart of normal rabbit for comparison (1525a): series of arteries showing patency and process of normal closure of ductus arteriosus (3735 to 3847, *Trans. Assoc. Am. Physicians, 1907*; 3976; 3977; 3980; 4040): congenital narrowing of the aorta with partially patent ductus (3744): large patent ductus (3978): parietal thrombus in aorta (3936): cyst of carotid artery (3948, *Mont. Med. Journ. Sept. 1909*): syphilitic aortitis (3475): false aneurysm of aorta involving lung (3609): thrombosis of hypogastric arteries (3738): aneurysm of splenic artery (3749). Thrombosis of ovarian and renal veins (3572). Ball thrombus plugging orifice of anterior coronary artery (3553): fatty degeneration of heart in pernicious anæmia (3571): fatty degeneration of heart in arteriosclerosis of coronaries (3576). Liver in acute yellow atrophy (3757): infarction of liver of rabbit (3951). Myoma from nose (3958). Trypanosomes from Montreal rat (3155, *Mont. Med. Journ. March, 1908*): tapeworm from black bass (3332). Complete infarction of cortex of kidney and chronic nephritis, fibroid pancreas (4052, *Journ. of Obstetrics, Oct. 1908*). Rachitic rosary (3412). (See also 18a, Autopsy Material from

the Royal Victoria Hospital, and 16, Montreal Maternity Hospital).

63. FROM DR. LARKEN, COLLEGE OF PHYSICIANS AND SURGEONS, NEW YORK:—

Aneurysm of branch of circle of Willis forming large tumour filled with blood clot at base of brain, with a photograph of the specimen (1813).

63a. FROM DR. MURRAY LEYS, (MATERNITY HOSPITAL):—

Macerated foetus at 5½ months, with twisted cord (4165).

64. FROM DR. HUGH LENNAN, MONTREAL:—

Calculus passed per urethram (3980).

64a. FROM DR. LITTLE:—

Human ovum in 23rd week (4096). (See also Donor No. 16, Maternity Hospital).

65. FROM DR. LOCKHART:—

Bartholinian cysts (2985): uterine fibroids (2984; 3571): mucous polypi in uterus (3925): chorio-epithelioma of uterus (3236): fibroid of broad ligament (3406): tuboovarian abscess (3102): multilocular cyst of ovary with papillomatous degeneration (3030): mixed tumour of ovary (3537; 3538): carcinoma of ovary (2997): ectopic gestation (2983; 3004; 3029; 3235, ruptured tubal pregnancy; 3271): incomplete tubal abortion (3926): appendicitis with enterolith (3419).

66. FROM DR. LOMER:—

Defect at the base of the interventricular septum of the heart, with *rechtslage* of the aorta, and dilatation of the pulmonary valve (4047).

67. FROM DR. W. W. LYNCH, SHERBROOKE, QUE.:—

Myoma of the uterus and cystic ovaries (3918): large pedunculated ovarian cyst (3919): anencephalic monster with spina bifida (4086).

68. FROM DR. HELEN MACDONALD:—  
Sebaceous cyst (3316).
69. FROM DR. R. E. McCONNELL:—  
*Filaria medinensis* (Guinea worm), taken from the scrotum of a native on the Gold Coast (3684).
70. FROM DR. MACKAY, WINDSOR MILLS, ONT :—  
Foetus in membranes at the 4th month (3289).
71. FROM PROF. J. J. MACKENZIE, TORONTO, ONT:—  
Gall-bladder filled with faceted calculi (3165): bronchial cast (3166).
- 71a. DR. MACTAGGART:—  
Pieces of skin showing track of bullet (3424): entrance wound of bullet in skin of neck (3425): skin showing entrance and exit wound of bullet (4147): stomachs in poisoning (3546, with ammonia; 3595, with carbolic acid): fracture of cervical vertebrae (3610): foreign matter in trachea and bronchi (3611): bullet-wound of heart and lungs (3861): hernia in sac (3862): bullet in sphenoid bone (4100).
72. FROM DR. C. F. MAGEE, CARP, ONT:—  
Carcinoma of head of pancreas leading to obstruction to outflow of bile, distended gall-bladder and obstructive cholangiectasis (3887): annular carcinoma of sigmoid flexure occluding lumen, death from perforation of hepatic flexure (3928): anencephalic monster with posterior encephalocele and complete spina bifida (4000).
73. FROM PROF. C. F. MARTIN:—  
*Oxyuris vermicularis* (3758): mediastinal sarcoma invading heart and involving the auriculo-ventricular bundle of His (3648, *Mont. Med Journ.* 1908); *Am. Jour. of Med. Sciences*, Aug. 1908.

74. FROM DR. McCRAE:—

Congenital absence of left kidney, ovary and tube (3090, *Mont. Med. Journ. March 1908*): patent urachus and great hypertrophy of ureters (3252). (See also 18a, Autopsy Material from the Royal Victoria Hospital, and 14, Montreal Foundling Hospital).

75. FROM DR. A. McINTOSH, VANKLEEK HILL, ONT:—

Pseudencephalic monster (3763).

76. FROM DR. RIDLEY MACKENZIE:—

Pseudo-tubercles of pleura and anthracosis of lung (3277).

77. FROM DR. JOHN F. McNEIL, SUMMERSIDE, PRINCE EDWARD ISLAND:—

Foetus in membranes (3415).

78. FROM DR. F. W. C. MOHR, OTTAWA, ONT:—

Liver and spleen from myelogenous leukaemia (3088): foetus in membranes (3156): anencephalus with spina bifida with dissection of sternalis muscle (3157): ovarian cyst with outgrowths on the outer surface (3158): abnormal foetus, sac protruding from abdomen and talipes varus (3420): sarcoma of femur (3421): hydatid mole (3422): heart with defect at the upper part of the interauricular septum and dilatation, chronic endocarditis, and calcification of the pulmonary valve (3541; reported by *Abbott and Kaufmann, Journ. of Path. and Bac. Vol. XIV, 1910.*

79. FROM DR. MOLSON:—

Abortion of twins in 5th month, one an anencephalic monster (3318).

79a. FROM DR. S. C. W. MORRIS, WALLACE, N.S.:—

Dermoid cyst from neck of cariboo. (4123).

80. FROM DR. WM. MORROW:—

Arterial and venous pulse tracing from a case of partial heart-block, with study of the same (4058).

81. FROM DR. MURPHY, LANSDOWNE, ONT.:—  
Foetus in 3rd month (3219).
82. FROM DR. NICHOLLS:—  
Heart and lungs of infant showing pericardial ecchymoses and hæmorrhagic infarction of lungs (3168): varicose veins removed by operation in thrombophlebitis of superficial varicose veins of left leg (3169): verrucose endocarditis of all valves in pneumonia (3185). (See also 19, Pathological Department of the Western Hospital, 83, and 84).
83. FROM DRS. NICHOLLS and SHAW:—  
Defect of the interventricular septum of the heart, rechtslage of the aorta, and pulmonary atresia (3809).
84. FROM DR. NICHOLLS and W. F. HAMILTON:—  
Patent ductus arteriosus (3810).
85. FROM DR. NUTTER:—  
Plaster cast of the hand in arthritis deformans (3290).
- 85a. FROM DR. ORTENBERG:—  
Abnormally long appendix (4163).
86. FROM DR. J. C. PARKER, ST. ALBANS, VERMONT:—  
Tumour from orbital fossa of horse (3901).
87. FROM DR. PATTON:—  
Ovum of calf at 3 weeks (3615).
88. FROM DR. RABINOVITCH:—  
Anencephalic monster with encephalocele (3186).
- 88a. FROM DR. H. L. REDDY:—  
9 microscopic slides of human bone and teeth (4185).
89. FROM DR. JAMES ROBERTS, HAMILTON, ONT.:—  
Foetus showing small-pox eruption in miscarriage at 7 months (3650).

90. FROM DR ROBERTSON:—  
Abortion in 5th week (3544).
- 90a. FROM DR. G. D. ROBINS:—  
Abscesses of lung and spleen in glanders (4092, *Studies from Royal Victoria Hospital, Vol. 2, No. 1*).
- 90b. FROM DR. J. L. ROBINSON, TEXAS:—  
Gallstones from ductus communis (4141): cysto-sarcoma of ovary (4142): multiple fibromyomata uteri (4143): ectopic gestation (4144): resected head of humerus in fracture dislocation (4145).
91. FROM PROF. T. G. RODDICK:—  
Ovum (3200): vesical calculi (2373; 2374).
92. FROM DR. J. J. ROSS:—  
Multiple enchondromata of shoulder-joints of pigs (3430): palpebral tumour of pig (3818).
93. FROM DR. C. K. RUSSEL:—  
Os penile from walrus (2375). (See also 18b, neuropathological material from the Royal Victoria Hospital, and 21, Verdun Hospital).
94. FROM DR. E. R. SECORD, BRANTFORD, ONT:—  
Adeno-carcinoma of sigmoid flexure, producing annular stricture (4099).
95. FROM DR. G. F. SHAW, ST. ANDREWS EAST, QUE:—  
Foetus in tenth week (3767).
96. FROM PROF. F. J. SHEPHERD:—  
Tumour of thyroid (2996; 3282; 3288): bilateral dermoids of ovary (2995): carcinoma of breast (3500): tumour of pons (3426): tumour of cerebellum (3427): Charcot's joint (2987): sarcoma of humerus (2994): melano-sarcoma of cheek (3278): floating cartilage from knee-joint (3306a): syphilitic necrosis

of nasal bones (3306b): bone removed by sequestrotomy (3308): necrosis of left inferior turbinated bone (2871): bullet removed from fifth metacarpal bone (3305): bullet passed through the head of a man (3306): bullet removed from the foot of the late Dr. Weir, wounded in the battle of Alma (3307): biliary calculi (2867; 2873; 2874; 2892; 2938 and 2942, from common duct; 2940; 2941, from gall-bladder, cystic and common duct; 2943; 2944, from cystic duct; 2945 to 2951; 2953; 2954): renal calculi (2872; 2880; 2883; 2952): vesical calculi (2868; 2869): needle from bladder encrusted in phosphates (2937): sublingual salivary calculus (2939): calculi unclassified (2955; 2956): double-headed pig, anterior duplicity of nose and eyes (4090).

97. FROM DR. D. R. SHEWAN, TRAIL, B. C. :—

Embryo in 4th week (3865a): 6th finger, amputated (3765b).

98. FROM DR. LAPHORN SMITH:—

Six lacerated cervixes and two appendices and an ovary (3428, *Internat. Clin. IV, 1908, p. 176*): huge uterine fibroid impacted (3163): sloughing fibrous polyp from posterior lip of cervix (3762): soft fibroid of uterus and ovarian cyst (3945): multiple fibromata uteri (4131): lacerated cervixes (3946): ovum removed at operation in tubal pregnancy (3161): ruptured tubal pregnancy (3162, in 3rd month; 3766): monster showing hyperencephalus, proencephalus, and amniotic adhesions deforming nasal cleft and eyes (3164): tumour (3291; 4132): polypi from lip of lacerated cervix (4091).

99. FROM DR. SPRINGLE:—

Hypernephroma attached to tail of pancreas (3543): calcareous mass from thyroid (3550).

Brain and cord in sleeping sickness (3293a): brain in sleeping sickness (3293b): adult female Chigger flea extracted from foot of a European from Congo Free State (3490): Congo-floor maggot, *Auchmerymyia luteola* (3208): post-cards describing mosquito-killing propaganda against malaria in Algiers (3209): two feet showing infection by Chigger fleas (3210): button badge from anti-mosquito campaign in yellow fever prophylaxis in New Orleans (3211): *Spirochaeta duttoni* of African tick-fever (3759): *Trypanosoma brucei* of tsetse fly disease (3760): double infection in rat by *Trypanosomaambiense* and *Spirochaeta duttoni* (3761): four samples of cop-bronze wire netting for use in tropics against winged insects (3768): eggs, larvæ and pupæ of house-fly (3769): cutaneous myiasis from horse (3770): four charts showing distribution of sleeping sickness in the Congo Free State in the years 1884, 1897, and 1905 (3825): poster from the Pasteur Institute of Tunis, used in the campaign against malaria (3826): charts showing infective agent and means of protection (4136, of malaria; 4137, of yellow fever): effete skins of *Ornithodoros moubata* 3889): mosquito from infected house in Kasongo (3890): poster used during the New Orleans epidemic of yellow fever (4015): three specimens of the *Conorhinus megistus* (4049): larvæ and pupæ of anopheles (4120): *Paragonia longinostris* (fly with long proboscis 4121): series of mosquitoes from Congo Free State, (4122): *myzomyia rossii* of Ceylon (4134): *Culex virides*, Congo free state (4135): series of flies and mosquitoes, from Congo Free State (4146): larvæ of *gastrophilus equi* (Botts) (4146): post-cards showing cause and means of prevention of yellow fever and malaria (4178): *cysticercus fasciolaris* (4179).

101. FROM DR. TOOKE:—

Tuberculosis of iris (microscopic slide) (3385).

102. FROM DR. VINER:—

Foetus at 5½ months, born alive (3423).

103. FROM DR. WARREN, WHITBY, ONT.:—

Mammoth tooth (2388): "Petrified foot of man" (ploughed up) (2387): spiculæ from fractured skull (2381): 7 renal calculi (2382): vesical calculus formed round needle (2383): other vesical calculi (2378; 2379; 2380): pin from gangrenous appendix (2386): bone removed by trephine from tibia in fracture of shaft (2385).

104. FROM DR. WATTERS, BOSTON, MASS.:—

Experimental tuberculosis of guinea pig (4093): tuberculosis of kidney (4094).

105. FROM DR. E. H. WHITE:—

Polyp from uncinatè process in middle meatus of nose (3564): bony sequestra from nose (3566): concha bullosa (4127): extensive tuberculosis of mastoid (3567): chronic suppurative otitis media of left temporal bone (3568): polypoidal overgrowth of inferior turbinates (2377): case of tonsillar enlargement (2389, *Mont. Med. Journ. June 1907*): temporal bone in suppurative mastoiditis (3654): cystic nasal polyp with chronic serous antritis (3822): nasal polypi (3859): naso-pharyngeal polyp (3824): chronic ethmoiditis, cellular middle turbinate (3823): chronic suppurative antritis with polypoidal degeneration (3764). Intestine in Richter's hernia (3243): colloid carcinoma of appendix (3583). Sarcoma from red trout (3733).

106. FROM DR. S. B. WOLBACH:—

Slides of coccidioidal granuloma in adrenal gland in lung of rabbit, etc. (3910, *Journ. Med. Re-*

*search, Dec., 1904*); slides from lung of mouse, showing organism of cutaneous blastomycosis, and from skin of man in a case of this disease (3911, *Journ. Med. Research, July 1906*, with duplicates for exchange in the International Association of Medical Museums). Microscopic slides of chronic aortic endocarditis (3932). Sections of cord in acute anterior poliomyelitis (4133).

107. FROM DR. F. C. WOOD, COLLEGE OF PHYSICIANS & SURGEONS, NEW YORK:—

Heart in mitral stenosis (1811): casts in fibrinous bronchitis (1808): material obtained from drainage of an echinococcus cyst (1810): rhabdomyoma of testicle (1809).

108. FROM PROF. P. G. WOOLLEY, CINCINNATI, OHIO:—

Material for microscopic investigation from cases of (a) experimental plague (b) paragonimiasis and (c) Rinder-pest (3463).

109. FROM THE ESTATE OF THE LATE PROFESSOR WM. WRIGHT, M.D.:—

A fine collection of old instruments including among other things, a laryngoscopic set; dissecting set; operation set; monaural stethoscope; two sets of traction forceps; urinometer; rectal syringe; stomach pump; amputation set; scarifier; hypodermic syringe; uterine sound; tooth extractor; proctoscope; rectal dilator (3888).

## II. DONATIONS RECEIVED IN THE MUSEUM OF ANATOMY.

FROM INSTITUTIONS.

FROM THE ARMY MEDICAL MUSEUM, D.C., MAJOR F. F. RUSSELL,  
CURATOR:—

Hyoid bones (195, of buffalo; 196, of fur-seal): os  
lingua of prairie wolf (197). Skeleton of *Ancistrodon*  
*Piscivorus*, or Water-moccasin (198).

The following skulls:—Of Virginian red deer (200):  
of black-tailed deer (201): of white tailed deer  
(202): of *Chelydra Serpentina*, snapping turtle  
(203): of turtle (204): of *Chelonia Mydax*, green  
turtle (205): of *Dicotyles Torquatus*, peccary,  
(206): of common sheep (207): of coyote, or prairie  
wolf (208): of grizzly bear (209; 211; 212):  
of black bear (210): of beaver (213): of jaguar, or  
Mexican tiger (214): of square flipper seal (215):  
of hooded seal (216): of Texas wild cat (217): of  
domestic cat (218): of shepherd dog (219): of  
common goat (220): of wolverine (221): of Cana-  
dian otter (222): of sea-lion (224): of monkey (225):  
of porpoise (226): of Kit fox (227): of prairie fox  
(228): of tiger, median section (231): of brown  
pelican (232): of trumpeter hornbill (233): of Rosy  
Spoonbill (235): of Bald eagle (236): of Northern  
eagle (237): of Shoveller (238): of Boa constrictors  
(239): of haddock (240): of rock fish (241): of  
American timber, or buffalo wolf (242): of Indians  
(245; 261): dolichocephalic (259): megacephalic  
(260): cranium from unknown source (262).

Skeleton of Gmelin (246): skeleton of Gila monster  
(229): feet of grizzly bear (249, forefoot; 250, hind-  
foot): hind and fore-foot of pig (251): section of  
long bones of puma (252, of ulna; 253, of radius;  
255, of femur; 256, of tibia; 254, of humerus (254).

FROM THE UNITED STATES NATIONAL MUSEUM, WASHINGTON  
D.C., through MR. RICHARD RATHBUN:—

Skull of large anthropoid ape (199): 14 Indian skulls  
and fragments of skeletons (247).

FROM THE ONTARIO PROVINCIAL MUSEUM:—

Pelvis with bones of upper and lower extremity  
(32): skulls of Indians (159; 160; 161; 162; 163).

FROM THE DISSECTING-ROOM OF MCGILL UNIVERSITY, through  
PROF. J. G. MacCARTHY and MR. WM. MUIR:—

*Dissections*:—Normal aortic arch (154): anomalous  
renal arteries (17; 18; 149; 150; 152; 183; 271; 272):  
vertebral artery from aortic arch (59; 151; 58):  
left carotid arising from innominate (60): right sub-  
clavian from thoracic aorta passing behind oesopha-  
gus and trachea, double aortic arch (148):  
thoracic viscera (135): hour-glass stomach (46):  
Meckel's diverticulum of small intestine (42):  
ileocaecal valve (43): misplaced kidney (136): ab-  
sence of right kidney (147): pelvis with ligaments  
(30; 31): dried preparation of foot to show liga-  
ments (248).

*Bones*.—Femur showing epiphyses (39): tibia and  
fibula showing epiphyses (40): bifurcation of third  
costal cartilage (48): ankylosis of first rib with  
sternum and fusion with second rib (49): bifid rib  
(50): fusion of two ribs (51): thorax with 13 ribs  
and supplementary dorsal vertebra (61): ununited  
epiphysis of acromion (63): epicondylar process of  
humerus (65): femur sectioned to show spongy tis-  
sue (70): human hyoid bone (76): auditory ossi-  
cles of ear (78): deficient ossification of sternum  
(156): spur of bone in ileum (157): elbow-joint  
(158): temporal bone macerated to show course of  
facial nerve, cochlea and semicircular canals (90):  
epiphysis of crest of ileum (267): wormian bone  
4 cm. in diameter in cranium (268).

*Dissections of Brain*:—Superficial origin of cranial nerves (119): removal of opercula to expose Island of Reil (120): section through entire brain to show lateral and mesial convolutions and fissures and third and fourth ventricles (121): cerebrum showing convolutions and fissures on tentorial and orbital surfaces (122): two specimens of cerebellum to show lobes on upper and lower surfaces (123): brain, spinal cord and meninges showing roots of spinal nerves, and cauda equina (126).

*Sagittal Sections*:—Through head (124, left half slightly to right of mesial line showing falx cerebri and nasal septum; 125, right half): through mouth, tongue and pharynx (127, right half; 177, left half): through knee-joint (132): through head and neck (134).

*Transverse Sections*:—Through orbit (128): through nose (129): through knee-joint (133): through thorax (137, at level of 5th dorsal vertebra; 138, at level of 6th dorsal; 139, at level of 7th dorsal; 140, at level of 8th dorsal; 141, at level of 10th dorsal).

FROM THE MEDICAL FACULTY OF MCGILL UNIVERSITY:—

Hyoid bone and larynx of horse (194).

*The following Plaster Casts*: — Of diaphragm (164; 171a, with vessels; 171b, with vessels removed): dissection of head and neck (143): muscles of face and larynx (165a and b): trunk, front and back view with removable viscera (166a and b): series showing dissections from the side, from the superficial muscles to the entire removal of the viscera (167a to h): thorax and abdomen, viscera in situ (145; 146): viscera, partly fixed in situ, partly removable (170): section of pubis (174a, showing triangular ligament; 174b, showing muscular attachments): perinæum (175a, b and c, female; 176a and b, male): transverse sections through thorax and abdomen (178a to e): viscera in situ

(179a with bony frame; 179b, without bony frame): female pelvis showing pelvic viscera in situ from the side (180): dissection of pelvis (144): sagittal section through pelvis in median plane (264, through male pelvis; 265, through female pelvis): dissection of back with neural canal open (181a, showing spinal cord in situ, 181b, with cord and vertebræ removed).

*Plaster Models of Brain*:—Of human subject (99): of Orang-Utang (100): of Chimpanzee (101): sagittal section through entire brain (102): right hemisphere of cerebrum showing the insula (103): horizontal section showing basal ganglia and radiation of fibres (104): dissection showing fornix and anterior commissure (105): dissection of lateral ventricle (106, showing roof; 110, viewed from above; 111, showing floor and anterior descending cornu; 114, viewed from outer surface; 117, showing roof of descending cornu): sections of brain (107; 108): left cerebral hemisphere (109): showing anterior and posterior geniculate bodies, corpora quadrigemina, and optic tract (112): showing fibres of corona radiata (113): showing basal ganglia, posterior pillars of fornix, pineal gland and posterior part of third ventricle (115): showing caudate nuclei, optic thalami, corpora quadrigemina, pineal gland, third, fourth and fifth ventricles (116): showing radiation of fibres of crura cerebri (118).

**FROM THE REDPATH MUSEUM, MCGILL UNIVERSITY:—**

Skull of beaver (33).

**FROM INDIVIDUAL DONORS.**

**FROM THE LATE M. JULES BAILLIE:—**

Pelves (52, of young human subject, mounted *à la Beau-chêne*; 55, of wolf; 56, of dog; 57, of goat):

sternum and shoulder-girdle of loon (67): hyoid bone and larynx of dog (69): skull of opossum (223): sternum of golden eagle (234): skull of anencephalic monster (243): skeleton of horse (244).

**FROM DR. J. G. BROWN:—**

Temporal bones (192; 193, sawn and dissected to show course of facial nerve, cochlea and semicircular canal).

**FROM MR. J. H. CHAPMAN:—**

Skeleton of frog (64).

**FROM DR. W. E. DEEKS, PANAMA:—**

Skeleton of sloth (184).

**FROM SIR GEORGE DRUMMOND:—**

Ear-bones of whale (153).

**FROM DR. F. S. JACKSON:—**

Skull of loon (185).

**FROM MR. E. L. JUDAH:—**

Skeleton of domestic cat (23): forefoot of moose (24): fetal vertebræ and pelvis (68).

**FROM DR. O. KLOTZ:—**

Series of sternums showing centres of ossification (37a, at 13 months; 37b, at 4 months; 37c, at 2 months; 37d, at 51 days): fetal skeleton (38): sphenoid of young subject mounted *à la Beau-chène* (77): cranial bones of infant (155).

**FROM DR. MacTAGGART:—**

Perforating fracture through lachrymal, ethmoid and orbital plate of frontal bone, caused by an umbrella (191).

**FROM DR. GEORGE MATHEWSON:—**

Plaster casts of lateral wall of nose (168a; 168b):

plaster cast of coronal section through head and back of orbit (169): papier maché models of ear (79): of eye (80).

• FROM DR. D. McEACHRAN:—

Fore and hind limbs of pony (26): fore and hind limbs of dog (27): pelvis of pony (45): skull of cow (97): skull of pony (98).

FROM DR. J. A. NUTTER:—

Dissection of larynx and trachea showing thyroid body, carotid arteries and recurrent laryngeal nerve (130): plaster casts of foot (172; 173).

FROM DR. J. J. ROSS:—

Polydactylism in foot of pig (269a and b).

FROM MR. W. L. SHANNON, VANCOUVER, B.C.:—

Skull of Siwash Indian (36).

FROM PROFESSOR F. J. SHEPHERD:—

Horseshoe kidney (131): model of cranial nerves (72): dissections of temporal bone showing middle and internal ear (87, prepared by Rev. J. M. Roger of Peterboro, at Aberdeen in 1820; 88; 89): series of bones showing development (28, four clavicles; 41, seven scapulæ; 53 and 54, os innominata): cranial bones mounted *a la Beau-chène* (62): frontal bone (75): skeleton of crucifixion fish (230): turtle-skull mounted *a la Beau-chène* (8).

*The following skeletons*:—Series of normal foetuses at 5½, at 6½, at 7½, at 8½ and 9 months (1): normal foetus disarticulated and mounted flat (71): *Eudyptis minor*, South Australia (2): snapping turtle (3): ornithorhynchus (4): armadillo (5): mole from South Africa (6): *Chameleon vulgaris* (7): frog (9): orang (10): chimpanzee (11): gorilla (12): giant kangaroo (13): panther (14): *Cabiai hydrochærus*, rodent (15):

*Dicolytus tajaca*, peccary, South America (186):  
*Tapirus americanus*, Central America (187): *Lemur  
melanoccephalon*, from Madagascar (188): *Echid-  
na hystrix* from Queensland (189): human skele-  
ton used for teaching by Dr. John Stephenson,  
first Professor of Anatomy, McGill University (66):  
six skeletons of negroes (257).

*The following plaster casts*:—Of calvarium of *Pithe-  
canthropus Erectus* from Pleistocene of Java (73):  
of skull of Neanderthal man (74): of dissection of  
head and neck made by Dr. Fuller (142): of peri-  
naeum from casts by Dr. Fuller, remodelled by  
Dr. J. J. Ross (182a, b and c).

**FROM DR. J. A. SPRINGLE:—**

Skeletons of vampire bat (20): or rodent (21): of kan-  
garoo (22). Skulls of moose (95): of cariboo (96).

**FROM DR. C. L. WHEELER:—**

Human skull mounted *a la Beau-chène* (19): hu-  
man skeleton in cupboard, and odd bones (44).

**FROM DR. E. HAMILTON WHITE:—**

Wood's Metal corrosion of temporal bone (34): dry  
preparation of nose and accessory sinuses in adult  
(81): lateral wall of nose and pharynx in new-born  
(82): dissection of temporal bone, tegmen and an-  
terior wall of meatus removed to show drum and  
chain of ossicles (83): inner wall of tympanum  
showing course of facial nerve (84): middle ear  
spaces, drum, ossicles, vestibules and internal au-  
ditory meatus, shows development of pneumatic  
cells about the carotid canal (85): dissection of  
temporal bone showing drum, ossicles and chorda  
tympani, inner wall dissected to expose the cochlea  
and semicircular canals (86): macerated temporal  
bones (91, in new born; 92, in eighth month  
showing the three portions not yet united; 273, of

infant showing development of bony meatus): dry preparation of serial sections of nose and accessory sinus (93): maceration of portion of skull showing frontal ethmoidal and sphenoidal sinuses (94): dried preparation of nasal accessory sinuses, showing relation of various sinuses to orbit (190).

FROM DR. C. G. WILSON:—

Foot of rock partridge (266).