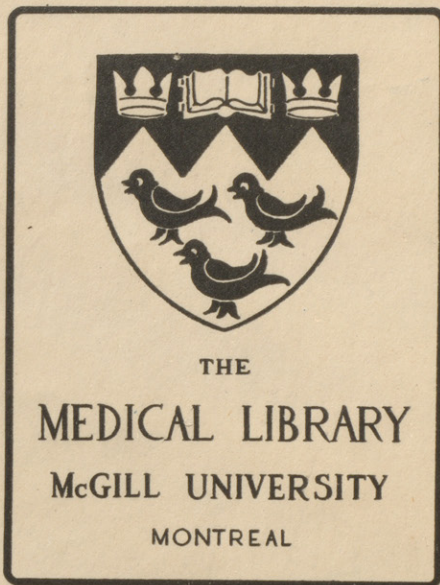


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Faculty of Medicine



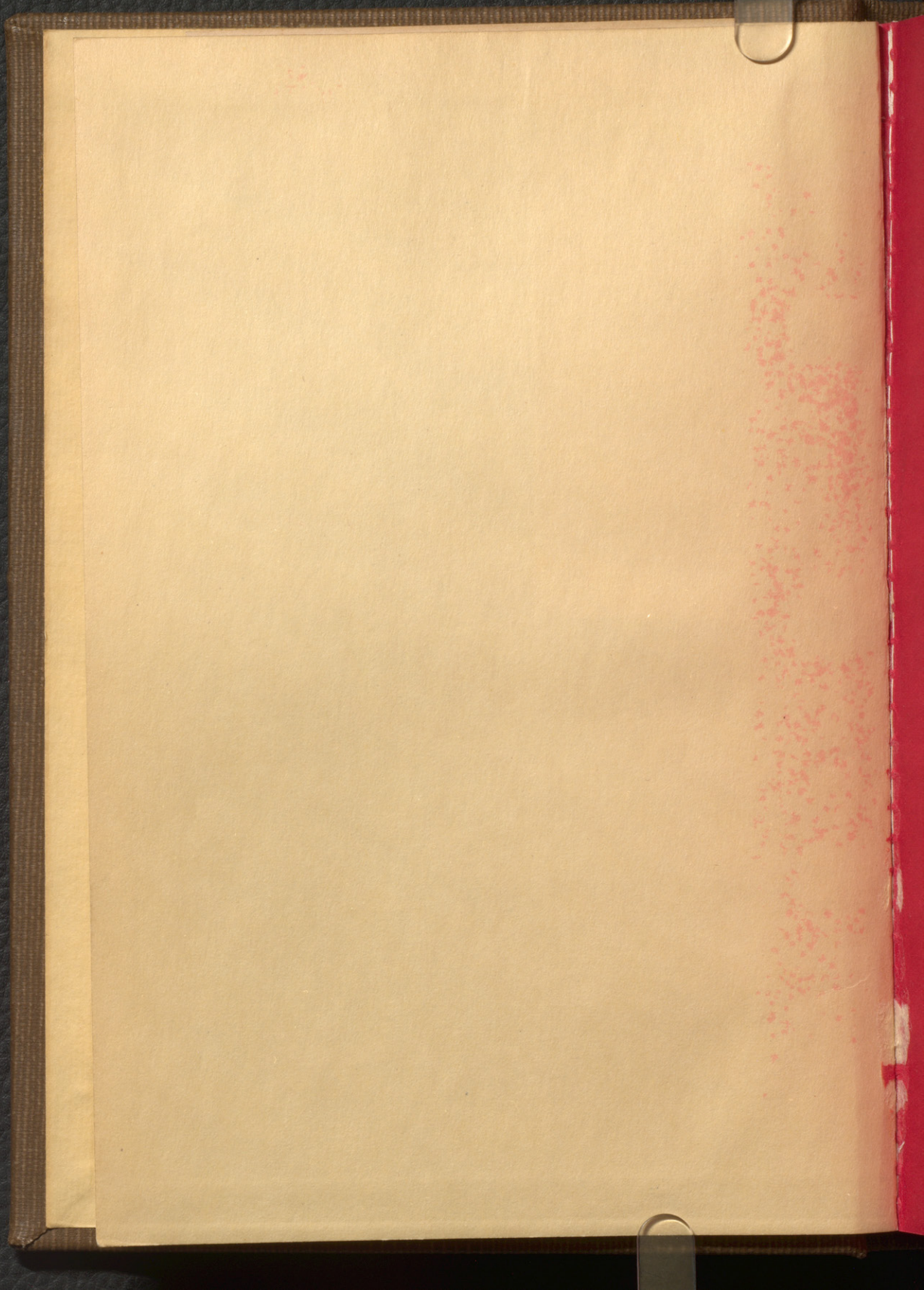
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DAMAGE TO BOOKS

Readers are reminded that under the provisions of the Canadian Criminal Code any wilful damage to property constitutes a criminal offence for which severe penalties can be inflicted.

Minor damages render the offender liable to a fine of \$20.00, and he is also bound to compensate the owner up to a limit of \$20.00. Refusal to pay these sums is punished with imprisonment up to two months. (Sections 539-540).

More serious damage can be visited with a term of imprisonment up to two years. (Section 510-E).

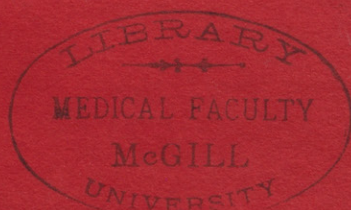


McGILL UNIVERSITY
MONTREAL



FACULTY OF MEDICINE

1940 - 1941



McGILL UNIVERSITY

MONTREAL, CANADA

GENERAL INFORMATION

ADMISSION TO THE UNIVERSITY

1 ENTRANCE REQUIREMENTS.

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of these faculties and schools. These announcements may be obtained from the Registrar's Office.

2. APPLICATION FORMS.

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, and Dentistry, and to the School of Physical Education may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the deans of the faculties or the directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

3. ADMISSION TO THE UNIVERSITY.

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received an official acceptance of their applications.

4. INQUIRIES

The Registrar will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Registrar's Office an official letter of acceptance and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS.

British students do not require passports to enter Canada but may require them if they wish to return and they are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS.

American students do not require passports. Naturalized citizens should carry their naturalization certificates and residents of that country who are not citizens should carry evidence that they are legally in the United States and that they may return upon completion of their studies.

OTHER STUDENTS.

All other students should carry passports.

Reference: Department of Mines and Resources, Memorandum No. 595335—Imm.

HEALTH SERVICE

MEDICAL EXAMINATION.

In order to promote as far as possible the physical welfare of the student body, first year students in all faculties, students in the second year in Arts, Science and Commerce, and all students coming to the University for the first time are required to be medically examined.

A student repeating a year in which medical examination is compulsory must be re-examined.

The medical examinations are conducted daily for a period of about two weeks at the beginning of the session. Subsequently special periods may be arranged for students who register late. The hours of all examination periods are announced on the notice boards throughout the University at the beginning of the Session.

Any student who has failed to comply with this regulation before the 1st of November is fined \$5.00. Any student who has failed to comply before the 8th of November is fined an additional \$5.00. Any student who has failed to comply before the 15th of November is suspended.

Re-examinations are held frequently throughout the session for those students who are of low category or who are suffering from physical disability.

Students of all years who wish to participate in competitive athletics or engage in moderate physical exercise are required to be medically examined.

The above are the normal peace-time regulations of the University. During the war other students desiring or required to take military training must also be examined.

VACCINATION.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination within seven years, or of insusceptibility to vaccine within five years. Failing this, students must be vaccinated at once in a manner satisfactory to the medical examiner.

The penalties for non-compliance with this regulation are those stated above for the medical examination.

HEALTH SERVICE.

The object of the Department of Physical Education is to make and keep the students physically fit. To this end numerous voluntary activities are organized so that every student may participate in some form of physical activity and recreation.

Provision is made by the Department for the care of the health of undergraduates *during the session* but not during vacations. If a student's admission to hospital is requisitioned for by the Department, but not otherwise, one half of all public ward charges is paid by the University, provided that the total obligation assumed by the University does not exceed \$125 in any one session for any one student. Should a student desire private accommodation, the difference in cost must be borne by him. A student who receives treatment by a private practitioner without having first obtained a requisition form from the Department, must bear all expenses involved. A student who has received medical attention as the result of sickness or injury must be declared fit by the University Medical Officer before he may resume participation in University physical activities.

Partial students are not entitled to the above services.

The University's contribution towards hospital expenses is made only when the illness or other condition requiring hospital treatment was not present or was unknown or undetected at the time of admission.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur or for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. If, however, in any such case, a recommendation is made in writing by the Department of Physical Education, but not otherwise, the University may pay the whole or such portion of the medical or hospital expenses as is covered by such written recommendation. All cases of athletic injury requiring medical treatment or hospital accommodation must be reported immediately to the Director or the University Medical Officer. In cases of emergency, the Royal Victoria Hospital or the Montreal General Hospital accepts cases but these must be reported to the Department of Physical Education, as well as to the Athletics Manager, within forty eight hours.

No dental treatment is supplied by the University.

A leaflet concerning health service and the general work of the Department is given to every student at the beginning of the session.

BOARD AND RESIDENCE

I. FOR MEN

DOUGLAS HALL.

Douglas Hall, the University residence for men, was opened in September, 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. There are also a limited number of separate study-bedrooms. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc. Application forms may be obtained from the Warden's Office.

HALL FEES, INCLUDING BOARD AND RESIDENCE:

| FACULTY | PER SESSION |
|---|-------------|
| Arts and Science, Engineering, and Law..... | \$360.00 |
| Third and fourth years of Dentistry..... | 380.00 |
| The first two years of Dentistry and all years of Medicine..... | 420.00 |

One half the fee is payable at the beginning of the session, and the balance on the 1st of February.

LODGINGS.

Residential accommodation is provided for about 60 students in Strathcona Hall, the home of the Student Christian Movement in McGill University. Full particulars may be obtained from the Secretary, 772 Sherbrooke Street West, Montreal, who also makes arrangements to have students who are strangers to Montreal met on arrival and helped to secure lodgings, if due notice is sent of the station and time of arrival.

Board and lodging for men may also be obtained in the Diocesan College, the United Theological College, and the Presbyterian College, which are affiliated with the University.

Before the opening of the session each year a list of Approved Lodgings which have been inspected by a representative of the University, is issued by the Lodgings Committee. This list which gives details of rooms, meals, prices, etc., may be consulted in the Registrar's Office, the Students' Union, Strathcona Hall, and other University Buildings. The list is not sent by mail.

Board is furnished in the McGill Union at low rates.

The cost of board and lodging in approved rooms varies from \$35 to \$60 per month. Separately, good board costs from \$25, and a room from \$12 upwards per month.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

Founded and Endowed by the late Rt. Hon. Baron Strathcona
and Mount Royal

THE BUILDING.

The College building, surrounded by garden and tennis courts, was erected in 1899 at the head of Union Avenue upon land adjacent to the University Campus. It was enlarged by the erection of a new wing in 1930-31.

The building provides an academic, administrative, and recreational centre for resident and non-resident students. It is situated on Sherbrooke Street, in close proximity to the University buildings, and within easy reach of Mount Royal Park. The building is fire-proof, and much thought and artistic care have been given to furnishing and decoration.

The College contains study-bedrooms for 110 students, with reception rooms and a modern infirmary. An adequate number of resident tutors live in the College.

Each student has a room of her own. These are completely furnished and no article of furniture need be brought by the students.

ADMISSION.

Students are required to enter on the roll book of the College their names, home addresses, and addresses in Montreal. Students not residing with their parents or guardians in Montreal are expected to apply for residence at the College. Those who do not so apply are required to submit their plans for residence to the Warden and to obtain written approval.

No sanction can be given to establishments of students in apartments or elsewhere unless such households are presided over by a parent or other responsible person approved by the University. All students entering the University for the first time are required, according to municipal regulations, to present a certificate or other satisfactory evidence of successful vaccination. No student who has an infectious illness or who comes from a house in which there has been an infectious illness within a month, may enter or return to the College without giving notice and obtaining the consent of the Warden. The health of the residential students is in charge of a physician, Dr. W. F. Hamilton, who may be consulted, free of charge, by arrangement with the Warden. Every student applying for admission to residence is required to fill in an entrance form and to forward a medical certificate on a form provided by the College.

Students of the College have the use of the University Library. There is also a College Library, in charge of a trained Librarian, comprising works of general literature and the chief stated books required for

the University curricula. The College Library and Reading Room are open to resident students from 9 a.m. to 11 p.m. and to non-resident students from 9 a.m. to 6 p.m. (on Saturdays from 9 a.m. to 1 p.m.).

The Warden's business hours are 10 a.m. to 1 p.m.; at other times, by special appointment. She will be glad to meet all students before the opening of the session and to discuss their plan of work then or at any other time during the session.

Applications for admission should be addressed to the Warden, Royal Victoria College, Montreal.

BOARD AND RESIDENCE.

Residence in the College is open to graduate students, undergraduates, and, in exceptional circumstances, to partial students. Application for residence should be made early, as accommodation in the college is limited. *No room is assigned for a shorter period than the University Session.* The charge for board and residence, in addition to the sessional fee for tuition, is \$450 (\$175 for room, \$275 for board). This may be paid in two equal instalments of \$225 each, in October and February. Room rent includes all expenses of heat and light. These charges cover the period of the University session from the first day of registration (September 29th) to the close of the examinations (for members of the graduating class, to the day after Convocation). A deposit fee of \$20.00 is required when a room is reserved, and is deducted from the charges for the first term.

Students entering earlier or remaining later for purposes of instruction, practice teaching, or examination are charged an additional fee of \$1.50 a day.

Notice of withdrawal should be given at the close of the session, or no later than September 1st. Rooms are not reserved for students whose standing at the end of the session does not entitle them to proceed to the next year.

RADIOS.

No radios may be installed in the College unless they are approved by recognized fire underwriters. Midget sets are not so approved

FEES

I. UNIVERSITY FEES

These fees include all the regular charges of the University for tuition, health service, registration, libraries, laboratories, physical education, sports, games, and graduation. The only additional fees are (1) Caution Money which is returnable (*see page 98*) and (2) the Students' Society Fee (*see page 98*).

FULL-TIME REGULAR STUDENTS.

| | |
|---------------------------------------|----------|
| Arts..... | \$230.00 |
| Science..... | 250.00 |
| Engineering..... | 275.00 |
| Medicine (British students)..... | 375.00 |
| Medicine (Non-British students)..... | 475.00 |
| Dentistry (British students)..... | 325.00 |
| Dentistry (Non-British students)..... | 365.00 |
| Law..... | 250.00 |
| Library School..... | 165.00 |
| Commerce..... | 250.00 |
| Graduate Faculty..... | 145.00 |
| School of Physical Education..... | 215.00 |
| School for Graduate Nurses..... | 165.00 |

*The higher fee if laboratory courses are taken.

CONDITIONED STUDENTS.

| | |
|---|---------|
| Special fee for an additional course repeated or substituted (one full course or two half courses)..... | \$10.00 |
|---|---------|

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE.

| | |
|---|---------|
| First and Second Years, per course..... | \$55.00 |
| Other years, per course..... | 65.00 |

PARTIAL STUDENTS.

Per hour of instruction per week for a full course:—

| | |
|-----------------------|---------|
| Arts and Science..... | \$20.00 |
| Commerce..... | 20.00 |
| Engineering..... | 10.00 |

The maximum fee for a partial student is the full undergraduate fee.

Information concerning the fees payable by partial students taking other courses may be obtained from the Bursar's office.

Some of the facilities offered by the Department of Physical Education are available to partial students. Information concerning these and their cost may be obtained from the Department or from the Registrar's office.

PAYMENTS BY INSTALMENTS.

All fees may be paid in two instalments, one at the beginning of the session and one in January. In such cases the fees stated above are increased by an instalment fee of Five Dollars.

II. SPECIAL FEES

| | |
|--|---------------|
| Late registration (first week) extra..... | \$ 5.00 |
| Late registration (second week) extra..... | 10.00 |
| Late payment fee (after specified date)..... | 2.00 |
| Fine for late medical examination (<i>see page 92</i>)..... | 5.00 or 10.00 |
| Graduation <i>in absentia</i> | 10.00 |
| Duplicate diploma..... | 10.00 |
| Certified copy of student's record..... | 1.00 |
| Additional copies (at same time)..... | .50 |
| Certificate of exemption from Matriculation..... | 2.00 |
| Supplemental examinations, each paper..... | 10.00 |
| Rental of microscope (<i>for students in Dentistry</i>)..... | 7.50 |

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of \$5.00.

III. CAUTION MONEY

Every student is required to make a deposit of \$10 as Caution Money to cover damage to furniture, apparatus, books, etc. This amount, less deductions, is returned at the close of the session.

IV. STUDENTS' SOCIETY FEES

An annual fee of \$10 is payable by all men undergraduates and an annual fee of \$8 is payable by all women undergraduates for the support of student organizations.

The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$4.00; Undergraduate Society \$1.00.

The women's fee is distributed as follows: Women's Union \$2.50; McGill Daily \$1.50; Students' Executive Council \$4.00.

Fees for the use of the gymnasium, the rinks, and tennis courts, and free admission to all home games of University teams are included in the University Fees given on page 97.

GENERAL REGULATIONS

1. Fees are due and payable at the Bursar's Office at the beginning of the session in September or October, and the second instalment is payable in January. For exact dates see the announcements of the separate Faculties.

2. All fees for British students are payable in Canadian currency. Students from non-British countries will normally be expected to pay all fees in United States dollars but will be entitled to the advantage of the premium fixed by the Foreign Exchange Control Board. At the present rate of exchange the exact equivalent in United States dollars may be computed by taking a discount of 9.09% from the fees shown in the University Announcements.
3. Domicile in general determines whether a student pays the British or the Non-British fees in Medicine and Dentistry. A student who is uncertain which rate he is required to pay should consult the Registrar.

Further details concerning fees in the Faculty of Graduate Studies and Research are given in the Announcement of that faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR.

1. That in the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
2. That in the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
 - (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
 - (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
3. No fees will be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
4. Board and residence fees are payable for the full academic year and will not be refunded.
5. Students' Activities fees will not be refunded.

EXPENSES

It will be seen that each student pays annually three fees (1) his inclusive University fee (2) a Student's Activity fee (3) a caution money deposit. There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding these three fees and

the cost of board and lodging (*see pages 94 to 96*). Books are necessarily a variable expense, but probably \$20 a year would be about their average cost. Personal expenditure upon clothes, amusements, etc is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

The Students' Council runs an Employment Agency which helps students to obtain summer work and, when possible, part-time work during the session. Students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

SPORTS FOR MEN

Normally there is organized competition with other Canadian and American Colleges in sixteen or seventeen different sports, but inter-collegiate athletics have been suspended for the duration of the present war. In their place the University has organized a wide programme of intra-mural competition and voluntary games. The Sir Arthur Currie Memorial Gymnasium, opened in 1939, provides accommodation for many indoor activities, while Mount Royal in Montreal, and the Laurentian Mountains north of Montreal, provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

CALENDAR FOR THE SESSION 1941-42

1941

- September 2nd, Tuesday.* Students register in all years of Medicine and in the first two years of Dentistry.
Public Health Nursing students report for field work.
Last day for filing graduate theses for Autumn Convocation.
Summer School in Mechanical Engineering begins.
High School Diploma Students report for training in the Department of Education.
- September 3rd, Wednesday.* Lectures begin in all years of Medicine and in the first two years of Dentistry.
Seminars and field work begin for High School Diploma Students.
- September 4th, Thursday.* Supplemental Examinations begin in Dentistry.
- September 8th, Monday.* Matriculation Examinations begin.
- September 8th, Monday, and September 9th, Tuesday.* Students register in Third and Fourth Years Dentistry.
- September 10th, Wednesday.* Lectures begin in Third and Fourth Years Dentistry.
- September 11th, Thursday.* Supplemental Examinations begin in Engineering and Architecture.
- September 12th, Friday.* Teaching and Supervision and Administration students report for field work in the School for Graduate Nurses.
- September 13th, Saturday.* Last day for reports on Ph.D. theses.
- September 15th, Monday.* Supplemental Examinations begin in Arts and Science, and Commerce.
Special summer school in Surveying begins.
Architectural Sketching School begins.
Students register in the School of Physical Education.
Conservatorium of Music opens for practical work.
- September 15th, Monday to September 20th, Saturday.* Final orals for Ph.D.
- September 16th, Tuesday.* Lectures begin in the School of Physical Education.
- September 17th, Wednesday.* Candidates' applications received at Dean's Office, Faculty of Graduate Studies and Research.
- September 19th, Friday, and September 20th, Saturday.* Students register in the Library School.
- September 20th, Saturday.* Last day for reports on all graduate theses and examinations.
- September 22nd, Monday.* Lectures begin in the Library School.
- September 24th, Wednesday, to October 1st, Wednesday.* Students register in Law and First Year Engineering and Architecture; also others in Engineering and Architecture who have no conditions.

September 29th, Monday, to October 1st, Wednesday. Students register in Arts and Science, Commerce, and the School for Graduate Nurses.

September 29th, Monday. Lectures begin in Music.

September 30th, Tuesday. Conditioned students register in Engineering and Architecture.

October 2nd, Thursday. Lectures begin in Arts and Science, Commerce, Engineering, Architecture, Law, Agriculture, Household Science, Graduate Studies and Research, and the School for Graduate Nurses.

October 4th, Saturday. Last day for receiving candidates' applications in the Faculty of Graduate Studies and Research.

October 6th, Monday. Founder's Day. Convocation.

(James McGill born October 6th, 1744, died December 19th, 1813.)

*.....Thanksgiving Day. No lectures.

October 17th, Friday. Sports Day. No lectures.

October 18th, Saturday. Last day for registration and payment of fees in the Faculty of Graduate Studies and Research.

October 24th, Friday. Last day for handing in Summer Essays and submitting Certificates regarding summer employment in the Faculty of Engineering.

November 11th, Tuesday. Remembrance Day. No lectures.

December 1st, Monday, to December 10th, Wednesday. Examinations in French and German for Ph.D. students.

December 12th, Friday. First Term ends in the Library School.

December 17th, Wednesday, to December 19th, Friday. Examinations in the Library School.

December 19th, Friday. Last day of lectures in all Faculties and Schools

1942

January 5th, Monday. Lectures resumed in all Faculties and Schools except Architecture and the first three years of Engineering.

January 5th, Monday, to January 7th, Wednesday. First term examinations in Architecture and first three years of Engineering.

January 8th, Thursday. Second term begins in Architecture and first three years of Engineering.

January 10th, Saturday. First term ends in Law.

January 12th, Monday. First term examinations begin in Arts and Science, Commerce, Fourth Year Engineering, Physical Education, and the School for Graduate Nurses.

Second term begins in Law.

*Thanksgiving Day will be a University Holiday. The date will be proclaimed later by the Dominion Government.

January 16th, Friday. Second term begins in Arts and Science, Commerce, Fourth Year Engineering, Physical Education and the School for Graduate Nurses.

February 10th, Tuesday. Founder's Day at Macdonald College.
(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

March 26th, Thursday, to April 2nd, Thursday. Library School trip.

April 3rd, Friday, to April 6th, Monday (inclusive). Easter Vacation.

April 9th, Thursday. Lectures end in first three years of Engineering and in all years of Architecture.

April 13th, Monday. Examinations begin in first three years of Engineering and in all years of Architecture.

April 18th, Saturday. Last day for filing Ph.D. theses.

April 23rd, Thursday. Last day for filing Masters' theses not involving experimental work.

April 25th, Saturday. Lectures end in all Faculties and Schools except Medicine, the Library School, and Music.

April 29th, Wednesday. Examinations begin in Arts and Science, Commerce, Dentistry, Fourth Year Engineering, Law, Physical Education, Agriculture, Household Science, and the School for Graduate Nurses.

April 29th, Wednesday. Examinations begin in Theory of Music.

May 1st, Friday. Lectures end in the Library School.

May 2nd, Saturday. Last day for filing Masters' theses involving experimental work.

May 6th, Wednesday. Examinations begin in the Library School.

May 7th, Thursday. Practical examinations begin in Music.

May 8th, Friday. Examinations begin in Higher Theoretical Music.
Last day for reports on Ph.D. theses and for reports on graduate examinations.

May 9th, Saturday. Lectures end in Music.

May 9th, Saturday, to May 16th, Saturday. Final orals for Ph.D.

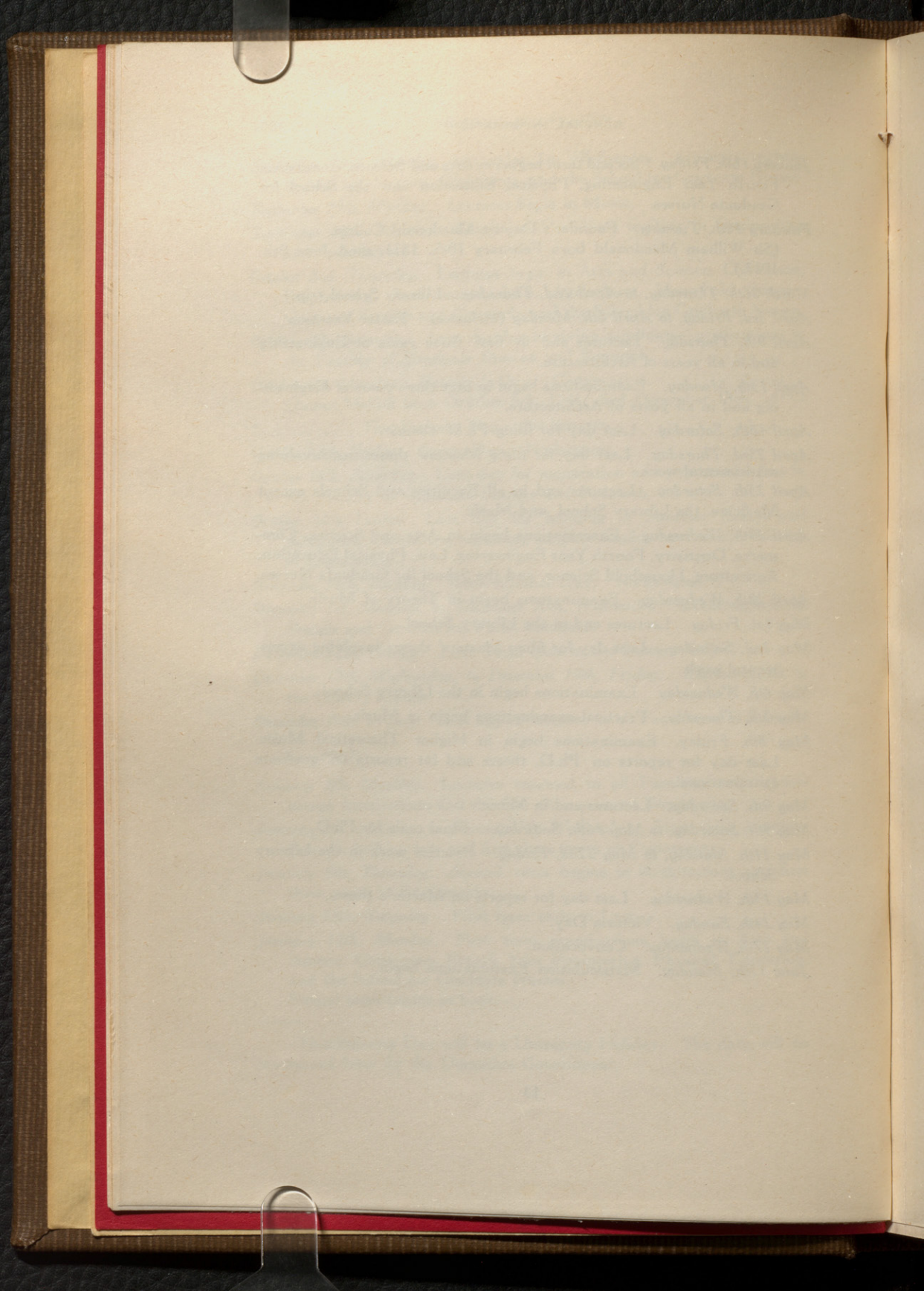
May 11th, Monday, to May 22nd, Friday. Practice work in the Library School.

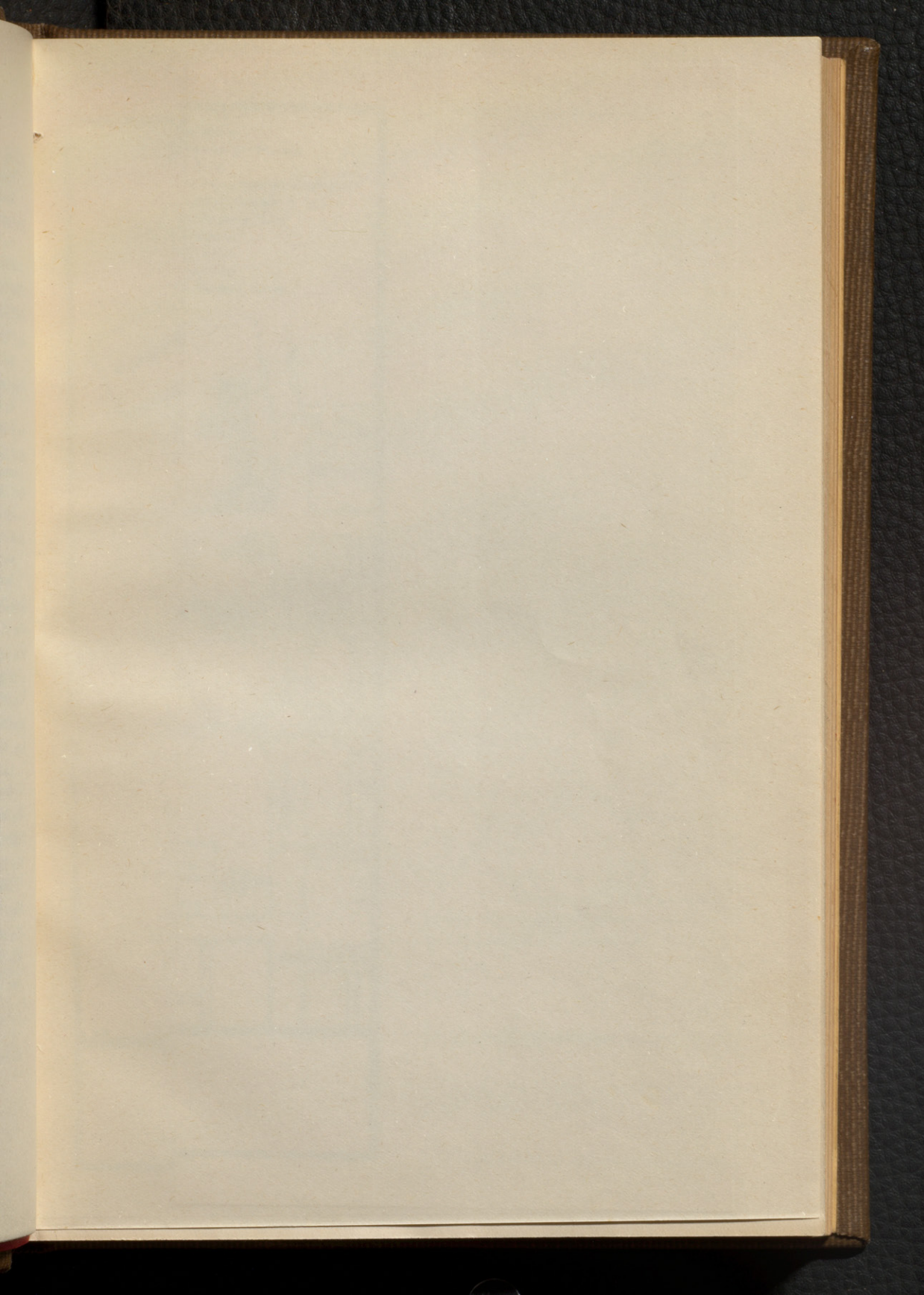
May 13th, Wednesday. Last day for reports on Master's theses.

May 24th, Sunday. Victoria Day.

May 27th, Wednesday. Convocation.

June 15th, Monday. Matriculation Examinations begin.



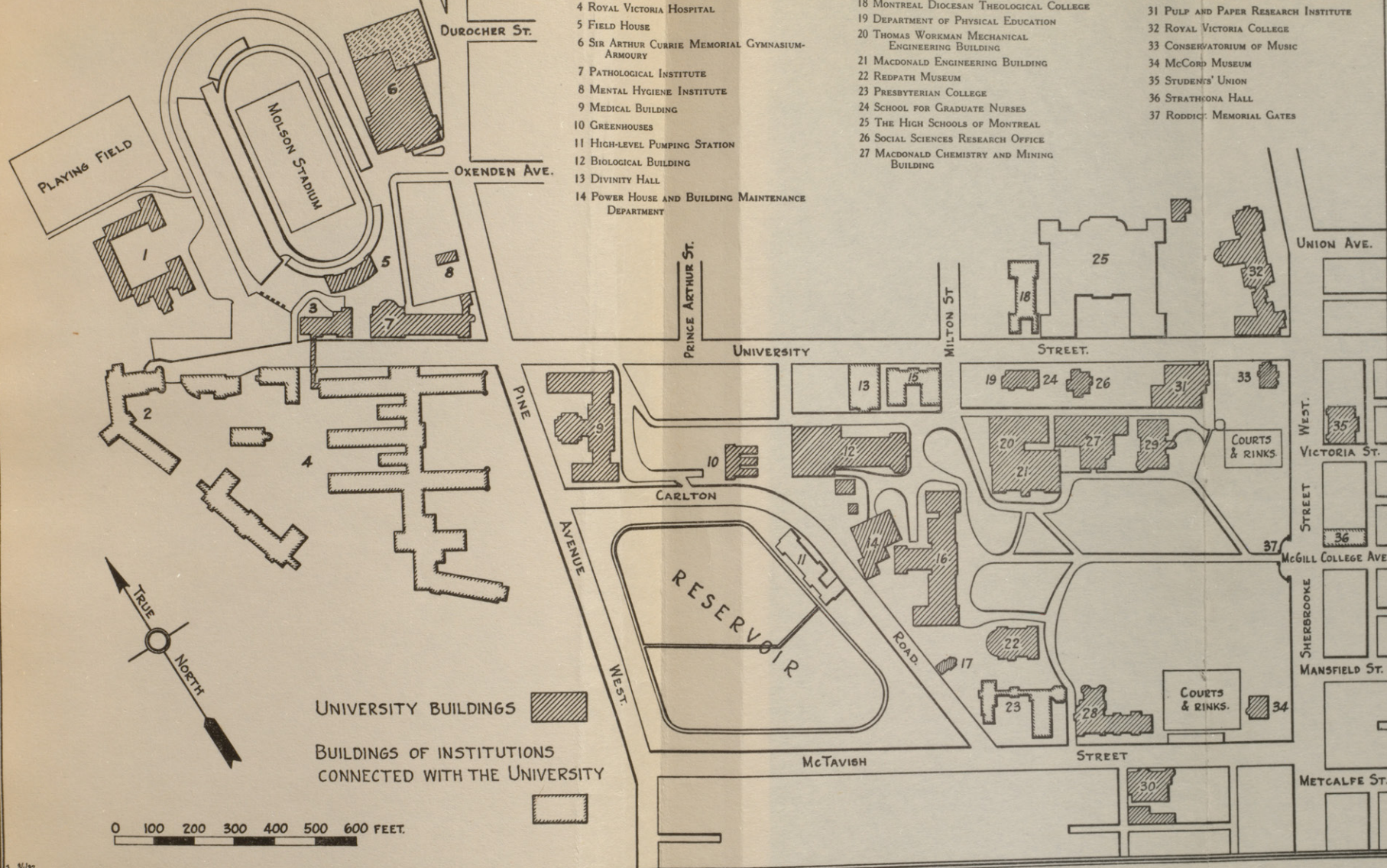


MACDONALD PARK

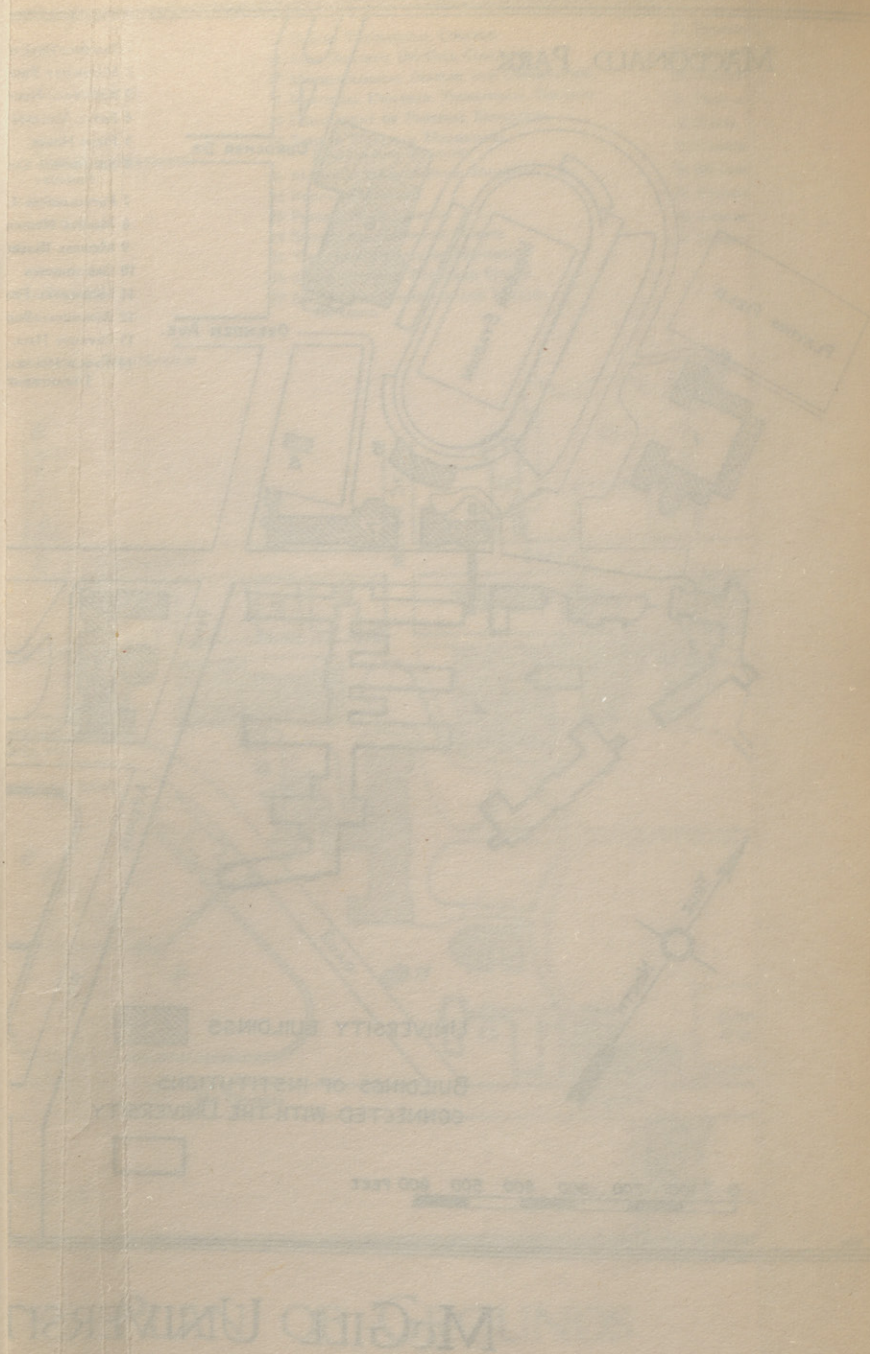
- 1 DOUGLAS HALL OF RESIDENCE
- 2 MATERNITY PAVILION
- 3 MONTREAL NEUROLOGICAL INSTITUTE
- 4 ROYAL VICTORIA HOSPITAL
- 5 FIELD HOUSE
- 6 SIR ARTHUR CURRIE MEMORIAL GYMNASIUM-ARMOURY
- 7 PATHOLOGICAL INSTITUTE
- 8 MENTAL HYGIENE INSTITUTE
- 9 MEDICAL BUILDING
- 10 GREENHOUSES
- 11 HIGH-LEVEL PUMPING STATION
- 12 BIOLOGICAL BUILDING
- 13 DIVINITY HALL
- 14 POWER HOUSE AND BUILDING MAINTENANCE DEPARTMENT

- 15 UNITED THEOLOGICAL COLLEGE
- 16 ARTS BUILDING (McGILL COLLEGE)
- 17 METEOROLOGICAL STATION AND OBSERVATORY
- 18 MONTREAL DIOCESAN THEOLOGICAL COLLEGE
- 19 DEPARTMENT OF PHYSICAL EDUCATION
- 20 THOMAS WORKMAN MECHANICAL ENGINEERING BUILDING
- 21 MACDONALD ENGINEERING BUILDING
- 22 REDPATH MUSEUM
- 23 PRESBYTERIAN COLLEGE
- 24 SCHOOL FOR GRADUATE NURSES
- 25 THE HIGH SCHOOLS OF MONTREAL
- 26 SOCIAL SCIENCES RESEARCH OFFICE
- 27 MACDONALD CHEMISTRY AND MINING BUILDING

- 28 REDPATH LIBRARY
- 29 MACDONALD PHYSICS BUILDING
- 30 FACULTY CLUB
- 31 PULP AND PAPER RESEARCH INSTITUTE
- 32 ROYAL VICTORIA COLLEGE
- 33 CONSERVATORIUM OF MUSIC
- 34 MCCORD MUSEUM
- 35 STUDENTS' UNION
- 36 STRATHONA HALL
- 37 RODDICK MEMORIAL GATES



McGILL UNIVERSITY—PLAN OF GROUNDS



McGILL UNIVERSITY
MONTREAL



FACULTY OF MEDICINE

1940-41

McGILL UNIVERSITY
MONTREAL



FACULTY OF MEDICINE

1940-41

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McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

Principal.....F. CYRIL JAMES, B.Com., M.A.,
Ph.D., F.R.S.C.

Dean of the Faculty of Medicine.....J. C. SIMPSON, B.Sc., LL.D.

*Associate Dean of the Faculty of
Medicine*.....J. C. MEAKINS, M.D., C.M., LL.D.,
F.R.C.P., F.R.S.C.

Secretary and Bursar.....F. O. STREDDER, M.A., Ph.D.
(on military service)

Registrar.....T. H. MATTHEWS, M.A.

Assistant Bursar.....W. BENTLEY, C.G.A., A.C.I.S.

University Librarian.....GERHARD R. LOMER, M.A., Ph.D.,
F.L.A.

Honorary Medical Librarian.....R. L. STEHLE, M.A., Ph.D.

*Osler Librarian and Director of the
Museum of the History of Medicine*.....W. W. FRANCIS, A.B., M.D.

*Assistant Secretary, Faculty of
Medicine*.....MISS G. D. MUDGE

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

| | |
|---|------------------------------------|
| President | F. C. Green, B.Sc., M.D., F.R.S.C. |
| Vice-President | J. C. Green, B.Sc., M.D., F.R.S.C. |
| Dean of the Faculty of Medicine | J. C. Green, B.Sc., M.D., F.R.S.C. |
| Associate Dean of the Faculty of Medicine | J. C. Green, B.Sc., M.D., F.R.S.C. |
| Secretary and Treasurer (as administrative services) | F. O. Green, M.A., F.R.S.C. |
| Registrar | T. H. Martin, M.A. |
| Assistant Registrar | W. Green, C.D., A.C.S. |
| Laboratory Librarian | L. Green, B.Sc., M.A., F.R.S.C. |
| Library Medical Librarian | R. J. Green, M.A., F.R.S.C. |
| Librarian and Director of the Museum of the History of Medicine | W. Green, B.Sc., M.D., F.R.S.C. |
| Assistant Librarian, Faculty of Medicine | Mrs. D. Green |

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate memorandum, which may be obtained from the Registrar's Office.

FACULTY OF MEDICINE

The one hundredth and eighth session of the Faculty will open on September 4th, 1940, for students of all years.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization. Candidates without a degree should have at least three years of college work.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

PHYSICS—One year of General College Physics with laboratory work.

BIOLOGY.—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

CHEMISTRY:—Two years:—

- (a) One full course of General Chemistry with laboratory work.
- (b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong (for further particulars see "Requirements for Licence to Practise," p. 495).

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 3rd, 1940. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

UNIVERSITY FEES

1. REGULAR STUDENTS.
 Annual fee for British students..... \$375.00
 By instalments: each of two instalments..... 190.00
 Annual fee for Non-British students..... 475.00
 By instalments: each of two instalments..... 240.00
2. REPEATING A YEAR.
 British students repeating a year pay..... 200.00
 Non-British students repeating a year pay..... 250.00
3. PARTIAL STUDENTS.
 Qualified students may be admitted as partials to one or more courses on payment of special fees.
4. AD EUNDEM FEE.
 Students entering any year above the first pay a special *ad eundem* fee of..... \$10.00
5. DIPLOMA IN PUBLIC HEALTH FEES.
 The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.
6. CAUTION MONEY.
 Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session..... 10.00

STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

| | |
|-------------------------------|---------|
| Regular students (men)..... | \$11.00 |
| Regular students (women)..... | 9.00 |
| Partial students..... | 5.00 |

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 3rd to Thursday September 5th, inclusive.

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees are payable in Canadian currency.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).

COURSE AND EXAMINATIONS FOR THE M.D., C.M. DEGREE

Beginning with the class of students entering the first year in September, 1936, the course in the Faculty of Medicine was reorganized. The new regulations provide that:

The minimum period of professional training required by the University as a qualification for the independent practice of medicine shall be five years, including—

- (a) Four years of medical study in the University leading to the degree of M.D., C.M.; and
- (b) One year of internship in an approved hospital, *or* one year of further medical study in the Faculty of Medicine of McGill University or in another medical school approved by it.

In the four-year medical course the session is nine months, extending from the first week in September until the first week in June, with two weeks' vacation at Christmas and one week at Easter, thus covering thirty-six weeks.

The fifth year of training, which is required before licence in all Canadian Provinces and in 19 States of the Union, is post-graduate, so that those who choose to devote it to internship enter the hospital with all the advantages that accrue from the the possession of a medical degree.

On the satisfactory conclusion of the year of internship or of advanced study the Faculty issues to the graduate a certificate that he has satisfied the University requirements and is eligible to present himself for the examination of a licensing board.

The arrangement of the major subjects of instruction is as follows:

FIRST YEAR:

Anatomy, Histology and Embryology, Physiology.

SECOND YEAR:

Anatomy, Physiology, Biochemistry, Pharmacology, General Pathology, Bacteriology, Parasitology, Medicine, Surgery, Obstetrics.

THIRD YEAR:

Special Pathology, Bacteriology and Immunology, Public Health, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, and Medical Jurisprudence,

FOURTH YEAR:

Pathology, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Ophthalmology, Otolaryngology.

A. THE MEDICAL COURSE

The academic year is divided into three terms and the minimum period of study required for the degree is twelve terms (four years).

The subjects comprised in the medical course are arranged in two groups:

The Pre-clinical Group:

Anatomy.

Histology and Embryology.

Biochemistry.

Physiology.

Pharmacology.

The Clinical Group:

Bacteriology.

Pathology.

Public Health and Preventive Medicine.

Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).

Surgery (including Urology, Orthopædic Surgery, and Radiology).

Obstetrics and Gynæcology.

B. EXAMINATIONS

1. *Final or University Examinations* will be held in each major required subject of the curriculum. Grades attained in these examinations will be entered in the students' records, and will be the only grades used in determining aggregate standing.

To qualify for the University examination the student must have fulfilled the following conditions:

Anatomy: must have completed three terms of instruction in the subject and have passed all required course examinations.

Histology and Embryology: must have satisfactorily completed two terms of instruction in the subject and have passed all required course examinations.

Physiology: must have satisfactorily completed three terms of instruction and have passed all required course examinations.

Biochemistry: must have completed two terms of instruction and have passed all course examinations in the subject.

Pharmacology: must have satisfactorily completed one term of instruction.

Bacteriology: must have completed a course in Bacteriology and must have taken at least four terms of clinical instruction.

COURSE FOR THE M.D., C.M. DEGREE

Pathology: must have completed at least three terms of work in the subject.

Public Health: must have completed the course and have taken at least three terms of clinical instruction.

Medicine: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Medicine. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Surgery: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Surgery. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Obstetrics: both written and practical examinations may be taken on the completion of seven terms of clinical instruction.

2. *Departmental or Course Examinations*, i.e., examinations held during, or at the conclusion of individual courses in any subject and for the purpose of determining the students' progress and fitness to proceed in a given subject.

The following special regulations have been adopted in respect to course examinations in the clinical subjects:

1. *Pathology*—A course examination on the termination of the course in General Pathology.
2. *Medicine*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
3. *Surgery*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
4. *Obstetrics*—An oral examination at the end of the course of didactic lectures in the 3rd year; and an oral and practical examination at the end of each term in the 4th year.

To qualify for the Final Examinations leading to the degree, a student must have passed the course examinations in the required subjects of the clinical group, and must have satisfactorily completed the prescribed courses of study and practice in:

- I. Ophthalmology.
- II. Oto-Laryngology.
- III. Psychiatry.
- IV. Infectious Diseases.

V. Anaesthesia.

VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.

VII. Public Health Survey.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Chairman of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee considers the cases of all students who are reported by their instructors as having fallen below the grade of C and determines whether such students are to be allowed to continue, warned, required to repeat the course or courses, or to retire from the Faculty.

NOTE:—The "Required Courses," together with suitable "Elective Courses" in the second year, qualify a candidate for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

A = Excellent

B = Good

C = Fair

D = Doubtful

E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. E. Prud'homme, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, Calgary, Alta.

SASKATCHEWAN—Dr. J. G. K. Lindsay, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matri-

ulation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

Robert Reford Professor and

Chairman of the Department . . . C. P. MARTIN

Assistant Professor of Histology . . H. SELYE

Lecturer in Histology A. J. DALTON

Senior Demonstrator in Anatomy . D. S. FORSTER

(F. S. DORRANCE

G. A. HOLLAND

Demonstrators in Anatomy J. C. LUKE

A. M. VINEBERG

E. W. WORKMAN

Demonstrators in Histology FRANCES M. FISHER

E. W. WORKMAN

W. WALFORD

Teaching Fellows in Anatomy . . . EDWIN BROWN

F. L. McNAUGHTON

F. T. MILES

REQUIRED COURSES

1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Frazer and Robbins, Larsell, Ramson.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Drs. Petersen and Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Three hours per week lecture and laboratory work for two terms on the Comparative Anatomy of the Human Skeleton, Fossil Man, and the Ancestral History of Man as far as it may be inferred from fossil remains.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body with the exception of the central nervous system and the special sense organs. Three hours lectures and six hours laboratory work per week during the Autumn and Winter terms of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology".

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

Three hours per week lecture and laboratory work during the Spring term of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy".

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

| | |
|--|-----------------|
| <i>Research Professor and Chairman</i> | |
| <i>of the Department</i> | BORIS P. BABKIN |
| <i>The John Morley Drake Professor</i> | |
| <i>Assistant Professor</i> | N. GIBLIN |
| <i>Lecturers</i> | S. DWORKIN |
| | S. KOMAROV |
| | D. A. ROSS |
| <i>Demonstrator</i> | RHODA GRANT |

REQUIRED COURSES

1. FIRST YEAR LECTURES.
Monday, Wednesday, Friday, at 9; and Tuesday at 12; Winter and Spring Terms.
- 1P. FIRST YEAR LABORATORY.
Six hours a week, Spring Term.
2. SECOND YEAR LECTURES.
Tuesday, Thursday, Saturday, at 9. Autumn Term.
- 2P. SECOND YEAR LABORATORY (Mammalian).
Eight hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

Laboratory Manuals (requisite).

Sharpey-Schafer, Experimental Physiology; Sherrington and Liddell, Mammalian Physiology.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department).

3. ADVANCED LECTURES.
- 3P. ADVANCED LABORATORY.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

| | |
|---|----------------------|
| <i>Gilman Cheney Professor and</i> | |
| <i>Chairman of the Department</i> . . . | J. B. COLLIP |
| <i>Professor</i> | D. L. THOMSON |
| <i>Lecturers in Pathological</i> | { J. S. L. BROWNE |
| <i>Chemistry</i> | { E. H. MASON |
| | { I. M. RABINOWITCH* |
| <i>Lecturers</i> | { O. F. DENSTEDT |
| | { A. H. NEUFELD |

The Department offers, in addition to the required lecture and laboratory course, an elective course in Endocrinology; other courses are described in the Announcement of the Faculties of Arts and Science, and of Graduate Studies and Research.

1. GENERAL PHYSIOLOGICAL CHEMISTRY:

- (a) Lectures: Monday, Wednesday, Friday, at 9.
- (b) Laboratory: Six hours weekly, Monday morning and Thursday afternoon, or Tuesday afternoon and Friday morning.

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-Book of Biochemistry", (Macmillan); Williams, "Text-Book of Biochemistry" (van Nostrand); Cameron and Gilmour, "Biochemistry of Medicine" (Churchill); Wright, "Applied Physiology" (Oxford Univ. Press). A synopsis of the laboratory course is issued by the Department.

This course is given in the Autumn and Winter terms.

2. ENDOCRINOLOGY

Lectures: Wednesday at 3.

Text-book:—Cameron, "Recent Advances in Endocrinology" (Blakiston).

*On military service.

PATHOLOGY

| | |
|---|----------------------|
| <i>Strathcona Professor and Chair-</i> | |
| <i>man of the Department</i> | G. LYMAN DUFF |
| <i>Professor</i> | L. J. RHEA |
| <i>Assistant Professor</i> | THEO. R. WAUGH |
| <i>Lecturers</i> | { J. E. PRITCHARD |
| | { F. W. WIGLESWORTH* |
| <i>Lecturer in Neuropathology</i> | W. V. CONE* |
| <i>Demonstrators</i> | { E. S. INGRAHAM |
| | { H. D. CHIPPS |
| <i>Douglas Fellow</i> | R. H. MORE |
| | { E. H. ANDERSON |
| | { H. L. FOSTER |
| <i>Assistant Demonstrators</i> | { R. D. McKENNA |
| | { D. R. MURRAY |
| | { L. SHAPIRO |

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
 - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
Professor Duff.
 - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
Professor Duff, and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
 - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
Professor Duff, Professor Waugh and Lecturers.
 - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
Professor Waugh and Demonstrators.
 - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).
..... Dr. Ingraham and Dr. Chipps.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).
 - A. Clinical-Pathological Conferences with demonstrations of autopsy material. Once a week during the Autumn, Winter and Spring Terms. Professor Duff, and members of the Clinical Staff.

*On military service.

- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute. Professor Duff and Dr. Ingraham.
 Montreal General Hospital. Professor Rhea and Dr. Pritchard.
 Children's Memorial Hospital.

Text Books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

REFERENCE BOOKS.

General:—Aschoff, Pathologische Anatomie (Gustav Fischer); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Oertel, Outlines of Pathology (Renouf); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafield & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

Tumours:—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

Haematopathology:—Naegeli, Blutkrankheiten und Blutdiagnostik, Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill).

Neuropathology:—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Technique:—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders).

BACTERIOLOGY AND IMMUNITY

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|---|-----------------|
| <i>Professor and Chairman of the Department</i> | E. G. D. MURRAY |
| <i>Associate Professor</i> | FREDERICK SMITH |
| <i>Assistant Professor</i> | T. E. ROY |
| <i>Lecturers</i> | C. D. KELLY |
| | W. H. MATHEWS* |
| | C. R. BREWER |
| | D. H. STARKEY |
| <i>Demonstrators</i> | N. W. McLELLAN |
| | R. P. DOW |
| | L. P. DEMERS |
| <i>Sessional Lecturer</i> | M. F. HOWIE |
| | J. A. ROMEYN |

REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

*On military service.

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Thirty-two lectures and 63 hours practical work. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology, and to Graduate Students.

COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS.

COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES.

20 Lectures and demonstrations. First and Second Terms. Available to Medical Students who have completed two years of clinical work and satisfied the Examiners in Course 1.

COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc. (daily throughout the year; available only for Honours students in their Fourth year). 160 lectures and 852 hours practical work.

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); W. H. Park and A. W. Williams, Pathogenic Micro-Organisms (Lea & Febiger); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); A. Calmette, L. Negri and A. Boquet, *Manuel Technique de Microbiologie et Serologie* (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins). E. O. Jordan, Textbook of General Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas).

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY

Prerequisite:—An aggregate standing of high second class must be obtained in the subjects of the First Year.

The Chairman of the Department should be consulted in selecting subjects to be studied in the Second and Third Years. The following subjects are suggested as suitable for the average student.

Second Year—General Zoology; Organic Chemistry; Histology; Elementary Physical Chemistry; Elementary Physiology; Colloid Chemistry.

Third Year—Biochemistry; Physiology; Elementary Medical Bacteriology; Parasitology, Mycology; Pharmacology.

Fourth Year—Bacteriology Course 3.

Students of Medicine who have done sufficiently well in their Medical Bacteriology and in their Medical studies in general will be admitted to Course 3.

PARASITOLOGY

Professor.....T. W. M. CAMERON

REQUIRED COURSE

HUMAN PARASITOLOGY: This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, and, in the practical class, each student examines all the important species as well as the lesions caused by them.

Winter Term—Two lectures and one laboratory period per week.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

*Strathcona Professor and Chairman
of the Department*.....

GRANT FLEMING

Associate Professor.....

R. ST. J. MACDONALD

Assistant Professor (Mental

Hygiene).....

W. T. B. MITCHELL

Assistant Professor.....

FRANK G. PEDLEY

Demonstrator (Mental Hygiene)..

BARUCH SILVERMAN

Demonstrator.....

R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what it is possible to do and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study requires individual field work by each student.

REQUIRED COURSES

1. INTRODUCTION TO PUBLIC HEALTH AND PREVENTIVE MEDICINE.
Spring term.....Professors Fleming and Mitchell.
2. PUBLIC HEALTH ORGANIZATION AND ADMINISTRATION. (Including related community services).
Winter term.....Professors Fleming, Macdonald
and Dr. Silverman.
3. MENTAL HYGIENE.
Winter term.....Professor Mitchell.

4. PRACTICE OF PREVENTIVE MEDICINE, AND COMMUNICABLE DISEASE CONTROL.
Winter term.....Professors Fleming, Macdonald and Pedley.
5. DEMONSTRATIONS. (Chandler Health Centre).
Winter term.
6. HEALTH STUDY OF A CITY OR TOWN.
To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and reference books:—

*The General Field:—*Mustard; Parkes and Kenwood; Rosenau; Park; Fitzgerald.

*Industrial Hygiene:—*The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

*Mental Hygiene:—*The Mental Hygiene of Childhood, White.

PHARMACOLOGY AND THERAPEUTICS

Professor and Chairman of the

Department.....R. L. STEHLE

Associate Professor of

Therapeutics.....D. S. LEWIS

Assistant Professor of

Pharmacology.....K. I. MELVILLE

Lecturers in Therapeutics..... {D. GRANT CAMPBELL
W. DE M. SCRIVER

Lecturer in Anæsthesia.....WESLEY BOURNE

Lecturer in Pharmacology.....A. M. FRASER

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful

clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville, and Dr. Fraser.

2. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville, and Dr. Fraser.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

3. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

4. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

- 4a. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-books in Therapeutics,* Beckman, Lyon, Reiman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

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|---|---|
| <i>Professor and Chairman of the Department</i> | JONATHAN C. MEAKINS |
| <i>Professor</i> | L. C. MONTGOMERY* |
| <i>Associate Professors</i> | E. H. MASON, I. M. RABINOWITCH* |
| <i>Assistant Professors</i> | { C. C. BIRCHARD, J. S. L. BROWNE J. KAUFMANN, D. S. LEWIS C. F. MOFFATT, J. B. ROSS |
| <i>Lecturers</i> | { C. R. BOURNE, G. R. BROW, D. G. CAMPBELL, KEITH GORDON,* R. H. M. HARDISTY, A. T. HENDERSON, J. F. MCINTOSH, D. W. MCKECHNIE, E. S. MILLS, W. DE M. SCRIVER |
| <i>Demonstrators</i> | { L. J. ADAMS, J. O. W. BRABANDER, HUGH BURKE, GORDON A. COPPING,* W. W. EAKIN, NEIL FEENEY, A. F. FOWLER, C. W. FULLERTON, GUY HAMEL, E. S. HARDING, C. R. JOYCE, W. R. KENNEDY, H. E. MACDERMOT, J. F. MACIVER, J. WENDELL MACLEOD, J. L. D. MASON, D. L. MENDEL, E. E. ROBBINS, H. N. SEGALL, COLIN SUTHERLAND, G. D. TAYLOR, C. J. TIDMARSH, R. VANCE WARD |
| <i>Assistant Demonstrators</i> | { D. BARZA, R. C. BENNETTS, J. G. HOWLETT, J. KILGOUR, L. LOWENSTEIN, J. F. MEAKINS,* HOWARD S. MITCHELL,* S. ORTENBERG, S. L. RICHARDSON, F. MCIVER SMITH, A. T. THOM, S. R. TOWNSEND |

PSYCHIATRY

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|--|--|
| <i>Associate Professor</i> | W. T. B. MITCHELL |
| <i>Clinical Professor</i> | C. A. PORTEOUS |
| <i>Clinical Professor of Neurology</i> | F. H. MACKAY |
| <i>Lecturers in Neurology</i> | { A. W. YOUNG N. VINER |
| <i>Demonstrators</i> | { T. E. DANCEY A. A. MACKAY G. E. READ B. SILVERMAN C. H. SKITCH |

*On military service.

DERMATOLOGY

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|---|-------------------------------|
| <i>Clinical Professors</i> | { P. BURNETT J. F. BURGESS |
| <i>Lecturer</i> | L. P. EREAUX |
| <i>Demonstrators</i> | { B. USHER F. E. CORMIA |
| <i>Assistant Demonstrator</i> | DONALD S. MITCHELL |

CLINICAL THERAPEUTICS

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|---|---|
| <i>Associate Professor</i> | D. S. LEWIS |
| <i>Lecturers</i> | { D. GRANT CAMPBELL W. DE M. SCRIVER |
| <i>Lecturer in Physio-Therapy</i> | NORMAN BROWN |
| <i>Demonstrator</i> | GUY FISK |

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

1. A course of University lectures on Medicine and Surgery with integration of Physiology, Biochemistry, and Anatomy. This course

is designed to review and correlate MEDICINE in its broadest sense in regard to etiology, diagnosis and treatment. It commences with the last term of the second year and continues throughout the third year. It is given in the University Medical Building by members of the Departments of Medicine and Surgery.

2. Courses of lectures will be given in Psychiatry and Therapeutics on two afternoons a week during the autumn and winter terms.

3. Clinical lectures in General Medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms, on two days a week. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professors Meakins, Montgomery and Assistants.

4. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the spring term (16 weeks) of the second year and will occupy two periods a week of two hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

5. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Medical Building. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.
Dr. MacIntosh and Assistants.

6. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students of the third year at the Royal Victoria Hospital and Montreal General Hospital. Each course will occupy five days a week from 9 a.m. to 3.45 p.m.

Professors Meakins, Montgomery and Assistants.

7. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

(a) A weekly theatre clinic on mental hygiene, neuroses, psychoses, and border line cases given during the final year at the Montreal Neurological Institute.

Professor W. T. B. Mitchell and Assistants.

(b) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

8. A clinical course in dermatology will be given in the autumn, winter and spring terms of one period a week at the Royal Victoria and Montreal General Hospitals. . . . Drs. Burnett and Burgess.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. **PHYSIO-THERAPY.** Three lectures and three periods of group instruction at times to be arranged. . . . Drs. Lewis and Brown.

11. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis, and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians on their daily rounds, attend autopsies, and report on them to his teachers.

MEDICAL JURISPRUDENCE AND TOXICOLOGY

A series of twenty lectures. . . . Professor Rabinowich.

MEDICAL JURISPRUDENCE: *Definition and scope:* obligations of the physician as a citizen. Ethics and Law in the conduct of medical practice. *Witnesses:* Ordinary. Expert. Skilled. *Medical Evidence:* Documentary. Oral. Experimental. Professional secrecy. Privileged communications. Rules regarding medical witnesses in Court. *Legal aspects of physical examinations.* *Malpractice:* Criminal. Civil, Negligence. Recklessness. "Reasonable care and judgment." *Identification of living persons:* Scars. Tattoo marks. Hair dyes. Dactylography. *Wounds:* Types. Ante- and post-mortem examination. Evidence furnished by wounds—Accident. Suicide. Murder. *Medico-legal aspects of blood examinations.* *Death:* Definitions. Conditions simulating death. Signs of death. Medico-legal forms of death. Estimation of length of time by post-mortem phenomena—Cooling. Hypostasis. Rigor. Decomposition. Modifying factors. Adipocere. Mummification. Medico-legal aspects of embalming and cremation. Presumption of death. Presumption of survivorship. Identification of the dead—Age. Sex. Stature. Teeth. Certification. *Medico-legal relations of sexual functions:* Impotence. Sterility. *Pregnancy.* *Abortion.* Natural. Criminal. Justifiable. *Birth:* Certification. Legitimacy. Paternity. *Infanticide.* Necessary proof of live birth. *Sexual offenses:* Rape and defloration. Examination of victim and accused. Unnatural offenses. *Mental disorders:* Testamentary capacity. Criminal responsibility. Certification. Medico-legal aspects of *alcoholism.* Criteria of drunkenness.

TOXICOLOGY: *Occurrence of poisoning:* Foods. Industrial. Clothes and cosmetics. Patent medicines. Therapeutic. *Classification of poisons.* *Modes of action.* Modifying factors—Mode of entry. Amount. Age. Habit. Tolerance. Idiosyncrasy. Physical condition of victim. *Diagnosis of acute poisoning:* Similarity between poisoning and disease. Rules for diagnosis. *Treatment:* General. Specific. *Medico-legal aspects of poisoning*—Accident. Suicide. Murder.

References:—Principles and Practice of Medical Jurisprudence—Taylor. Legal Medicine and Toxicology—Webster. Text-book of Forensic Medicine and Toxicology—Buchanan. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Sydney Smith. Forensic Medicine and Toxicology—F. J. Smith.

ELECTIVE COURSES

12. **PHYSIO-THERAPY (PRACTICAL):** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease. Dr. Brown.

13. A course of lectures on recent advances in Medicine and its allied branches is given once a week throughout the session.

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, hæmatology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

TEXT AND REFERENCE BOOKS

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis" Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry",

Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; Clendenen, "Methods of Treatment"; "Pharmacopoea of the Teaching Hospitals".

Psychiatry:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology:—Walker "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PÆDIATRICS

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|---|--|
| <i>Professor and Chairman of the Department</i> | R. R. STRUTHERS |
| <i>Associate Professor</i> | S. GRAHAM ROSS |
| <i>Assistant Professors</i> | { A. GOLDBLOOM L. LINDSAY |
| <i>Lecturers</i> | { A. K. GEDDES ALAN ROSS JESSIE BOYD SCRIVER H. P. WRIGHT |
| <i>Demonstrators</i> | { P. N. MACDERMOT E. V. MURPHY S. J. USHER |
| <i>Assistant Demonstrators</i> | { H. L. BACAL B. BENJAMIN |

REQUIRED COURSES

1. LECTURE COURSE: A series of thirty-five clinical lectures on pædiatrics. Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.

Professor Struthers and Assistants.

2. INFECTIOUS DISEASES: A series of demonstrations to groups of students on the ordinary infectious diseases is given at the Alexandra Hospital.
3. DISEASES OF THE NEW BORN—Royal Victoria Montreal Maternity Pavilion.
4. CLINICAL PÆDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including—
 - (a) Normal Infant Feeding, Care and Development—Montreal Foundling and Baby Hospital.

- (b) General Pædiatrics—Children's Memorial Hospital.
 (c) Infectious Diseases—Alexandra Hospital.

Text-books:—Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics"; Wright, "Essentials of Infant Feeding and Pædiatric Practice"; Goldbloom, "Care of the Child"; Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children."

Reference Books:—Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; "Abt's Pædiatrics" (8 volumes); Kanner, "Child Psychiatry".

NEUROLOGY AND NEUROSURGERY

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|---|-------------------------|
| <i>Professor and Chairman of the Department</i> | WILDER PENFIELD |
| <i>Associate Professor of Neurology</i> | COLIN RUSSEL* |
| <i>Associate Professor of Neurosurgery</i> ... | WILLIAM CONE* |
| <i>Clinical Professor of Neurology</i> | F. H. MACKAY |
| <i>Assistant Professor of Neurosurgery</i> ... | A. R. ELVIDGE |
| | { DONALD McEACHERN |
| | { F. McNAUGHTON |
| <i>Lecturers in Neurology</i> | { J. N. PETERSEN |
| | { N. VINER |
| | { A. W. YOUNG |
| <i>Lecturer in Neuropsychiatry</i> | MIGUEL PRADOS |
| <i>Lecturer in Neurological Roentgenology</i> .. | A. E. CHILDE* |
| <i>Lecturer in Neurological Electrophysiology</i> .. | HERBERT JASPER |
| <i>Lecturer in Clinical Psychology</i> | MOLLY HARROWER |
| <i>Lecturer in Neurosurgery</i> | T. C. ERICKSON |
| <i>Lecturer in Neuropathology</i> | KARL STERN |
| <i>Demonstrator in Neurology</i> | J. KERSHMAN |
| <i>Assistant Demonstrator in Neurosurgery</i> | ROBERT PUDENZ |
| <i>Assistant Demonstrator in Neuropathology</i> | GUY ODOM |
| | { JAMES T. DANIELS |
| | { ALLISTER I. FINLAYSON |
| | { RICHARD W. FINNER |
| <i>Research Fellows</i> | { S. HUMPHREYS* |
| | { O. W. STEWART* |
| | { ROY L. SWANK |

The Department of Neurology and Neurosurgery co-operates intimately with the Departments of Medicine and Surgery in their regular teaching.

*On military service.

In addition the following elective courses are offered:

1. Case Presentations. Diseases of the Nervous System.

Outpatient Department, Royal Victoria Hospital, Tuesdays at 3.00 p.m.

Professor Penfield.

2. Fundamentals of Neurology (Neuro-Anatomy, Neuro-Physiology, Biological Chemistry and Roentgenology).

Neurological Institute, Tuesdays at 5 p.m.

Drs. Petersen, Elvidge, McEachern, Childe, Jasper, McNally, Boldrey, Kershman, McNaughton and Erickson.

3. Introduction to the study of Psychological Medicine. 5 lectures. Neurological Institute.

Dr. Prados.

4. Advanced Neuroanatomy (Anatomy 4). Construction of Model of Human Brain. Neurological Institute. Monday and Tuesday 8-10 p.m.

Drs. McNaughton, Petersen and Kershman.

SURGERY

*Professor of Urology and Chairman
of the Department of Surgery.....* F. S. PATCH

Associate Professors..... { F. B. GURD
C. K. P. HENRY
F. E. McKENTY

Assistant Professor..... J. C. ARMOUR

Lecturers..... { H. L. DAWSON, H. M. ELDER*
R. R. FITZGERALD, G. A. FLEET
J. G. W. JOHNSON, C. A. McINTOSH*
L. H. McKIM, G. GAVIN MILLER
D. E. ROSS, A. J. STEWART,
F. J. TEES, A. L. WILKIE

Demonstrators..... { S. G. BAXTER, E. M. COOPER,
J. C. LUKE, S. J. MARTIN,*
H. S. MORTON,* H. F. MOSELEY,
H. G. PRETTY, A. ROSS,
P. G. ROWE

Assistant Demonstrators..... { F. D. ACKMAN, H. A. BAXTER,
H. S. DOLAN, G. A. HOLLAND,
C. D. LITTLE, J. C. SUTTON,
D. W. WEBSTER

*On military service.

UROLOGY

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|-------------------------------------|---------------------------------|
| <i>Clinical Professor</i> | E. C. SMITH |
| <i>Lecturer</i> | R. E. POWELL |
| <i>Demonstrators</i> | { A. B. HAWTHORNE M. I. SENG |
| | { A. M. J. TANNEY |
| <i>Assistant Demonstrators</i> | { M. RATNER R. G. REID |

ORTHOPAEDIC SURGERY

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| <i>Clinical Professors</i> | { J. A. NUTTER W. G. TURNER |
| <i>Lecturers</i> | { W. J. PATTERSON N. T. WILLIAMSON |
| <i>Assistant Demonstrators</i> | { J. G. PETRIE* J. C. SHANNON* |

ANÆSTHESIA

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|-------------------------------------|-----------------------------|
| <i>Lecturers</i> | { D. LEIGH C. C. STEWART |
| | { F. A. H. WILKINSON |
| <i>Assistant Demonstrator</i> | L. W. RICE |

RADIOLOGY

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|-------------------------------------|---------------------------------|
| <i>Lecturers</i> | { E. C. BROOKS W. L. RITCHIE |
| <i>Demonstrator</i> | J. W. MCKAY |
| <i>Assistant Demonstrators</i> | { W. W. BRYAN E. M. CRAWFORD |

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

REQUIRED COURSES

Second Year. Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*On military service.

1. A combined lecture course in collaboration with the Department of Medicine, Neurology, Neuro-Surgery and Radiology, three days a week during the spring term.
2. Amphitheatre clinics, alternately in the Montreal General and Royal Victoria Hospitals, two days a week, during the term.
3. Group classes in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

Third Year. The student comes into a more intimate contact with the patient, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, assists at operations, etc.

1. The combined lecture course in collaboration with the Departments of Medicine, Neurology and Neuro-Surgery and Radiology is continued, two days a week, throughout the year. In this course, lectures in Orthopædic Surgery, Neurological Surgery and Urology are included.
2. Amphitheatre clinics and demonstrations in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
3. Group ward classes.
4. Case reporting. Patients are allotted to students who act as reporters, dressers, assistants at operations, etc.
5. Clinico-pathological conferences, one period a week, jointly with the Department of Pathology.
6. A course in applied anatomy, jointly with the Department of Anatomy, ten periods.

Fourth Year. During the surgical trimester of this year, the student devotes his entire time to surgery and its allied specialties.

1. Amphitheatre clinics and demonstrations at the Montreal General and Royal Victoria Hospitals, two days weekly.
2. Group ward classes.
3. Case reporting.
4. Clinico-pathological conferences, jointly with the Department of Pathology.

SURGICAL DISEASES OF CHILDREN. During the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, instruction in the surgical diseases of children is given by means of amphitheatre clinics and group ward classes.

ORTHOPÆDIC SURGERY.

Third Year. Ten lectures are given in the combined lecture course-

Fourth Year. Amphitheatre classes, 6 periods.

Ward classes are given once a week during the surgical trimester, of the Fourth Year.

UROLOGY.

Third Year. Ten lectures are given in the combined lecture course.

Fourth Year. Amphitheatre classes, 6 periods.

Ward classes are given twice weekly during the surgical trimester of the Fourth Year.

Clinico-pathological conferences, jointly with the Department of Pathology, once a week during the surgical trimester of the Fourth Year.

Instruction in venereal diseases is given in the out-patient department, once a week, during the surgical trimester.

ANAESTHESIA. Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy."

4. *Fractures and Dislocations:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations." Magnuson's "Fractures"; Stimson's "Manual of Fractures and Disloca-

itions"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases."

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology."

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations."

OBSTETRICS AND GYNÆCOLOGY

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|---|---|
| <i>Professor and Chairman of the Department</i> | J. R. FRASER |
| <i>Associate Professor</i> | A. D. CAMPBELL |
| <i>Clinical Professor</i> | J. W. DUNCAN |
| <i>Assistant Professor</i> | W. A. G. BAULD |
| <i>Lecturers</i> | { G. C. MELHADO IVAN PATRICK DOUGLAS GURD J. STEWART HENRY |
| <i>Demonstrators</i> | { ELEANOR PERCIVAL N. W. PHILPOTT C. V. WARD* |
| <i>Clara Law Fellow and Demonstrator</i> | P. J. KEARNS |
| <i>Assistant Demonstrators</i> | { K. T. MACFARLANE G. B. MAUGHAN D. W. SPARLING* |
| <i>A. A. Brown Fellow</i> | F. D. JOHNSON |
| <i>Teaching Fellow</i> | W. R. FOOTE |

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Each student serves in the ante-natal clinics in the city.

*On military service.

OBSTETRICS

REQUIRED COURSES

1. An introductory course of sixteen lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.
Medical Building. One lecture a week—Spring Term.

Professor Fraser.

2. Clinical instruction during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labour and the puerperium in case room and wards, together with ante-natal care in the out-patient department.

Autumn, Winter and Spring Terms.

3. Special courses in obstetrical palpation and on the manikin daily throughout the session with the aid of models, diagrams, lantern slides and moving pictures.

Autumn, Winter and Spring Terms.

4. Clinical Conferences thrice weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.

Autumn, Winter and Spring Terms.

5. Group Instruction. The teaching in the final year is conducted entirely by senior teachers.

Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

6. Lecture Demonstrations in the theatre are held daily during each term on the following subjects:—

A. Normal Labour.....Dr. Melhado.

B. Puerperal Infection.....Dr. A. D. Campbell.

C. Hæmorrhages of Pregnancy. Labour and the Puerperium.

Professor Duncan.

D. Toxæmia of Pregnancy.....Dr. Johnson.

E. Dystocia.....Professor Bauld.

7. Care of the New-born.

Drs. Struthers & Ross.

The clinical demonstration once weekly throughout the year by the Pædiatrician in charge of the new-born, is intended to provide a clear and concise survey of the physiology and pathology of the new-born. Particular emphasis is laid on infant feeding and neonatal disease.

8. The Staff Conference held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of internship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. . . . Professor Fraser, Dr. Campbell and Staff.
2. A special course on Gynæcological Pathology. . . . Dr. P. J. Kearns.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. . . . Professor Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

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| (1) De Lee | Principles and Practice of Obstetrics. |
| (2) Stander | Text book on Obstetrics. |
| (3) Ten Teachers | Midwifery. |
| (4) Harper | Clinical Obstetrics. |
| (5) Bourne | Synopsis of Midwifery and Gynæcology. |
| (6) Johnson, R. W. | Text book of Midwifery. |
| (7) Bland | Practice of Obstetrics. |
| (8) Miller, J. | Manual of Obstetrics. |
| (9) Appleton | Obstetrical and Gynæcological Monographs. |
| (10) Peterson | Demonstration Course in Obstetrics. |
| (11) Irving | Text book on Obstetrics. |
| (12) Beck | Obstetrical practice. |
| (13) Adair | Obstetrics. |

GYNÆCOLOGY.

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| (1) Graves | Text book of Gynæcology. |
| (2) Curtis | Text book of Gynæcology and System of Gynæcology and Obstetrics. |

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| (3) Ten Teachers | Diseases of Women. |
| (4) Monroe Kerr | Gynæcology. |
| (5) Blair Bell | Principles of Gynæcology. |
| (6) Kelly, Howard | Text book of Gynæcology. |
| (7) Goodall | Puerperal Infection. |
| (8) Crossen | Gynæcology. |

OPHTHALMOLOGY

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|--------------------------------------|---------------------|
| <i>Professor and Chairman of the</i> | |
| <i>Department</i> | S. H. McKEE |
| <i>Lecturer</i> | J. A. MacMILLAN |
| | { K. B. JOHNSTON |
| | { STUART RAMSAY |
| <i>Demonstrators</i> | { J. ROSENBAUM |
| | { R. J. VIGER |
| | { B. ALEXANDER |
| <i>Assistant Demonstrators</i> | { J. V. V. NICHOLLS |

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....Professor McKee and members of the Staff.

2. LECTURE DEMONSTRATIONS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential concepts for the clinical work of the Final Year.

Ten hours.....Professor McKee.

3. CLINICAL OPHTHALMOLOGY.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systematic disorders and affections of

the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professor McKee and Staff.

Text-books.—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

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| <i>Assistant Professors</i> | { D. H. BALLON G. E. HODGE |
| <i>Lecturers</i> | { W. J. McNALLY R. P. WRIGHT* |
| <i>Demonstrators</i> | { K. O. HUTCHISON B. F. MACNAUGHTON G. E. TREMBLE |
| <i>Assistant Demonstrators</i> | { A. O. FREEDMAN G. E. M. HILTON E. E. SCHARFE* E. A. STUART |

Instruction in Oto-Laryngology is given to students of the third, and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 20 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre-and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

*On military service.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballou: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballou.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).
3. **COURSE FOR DIPLOMA IN PUBLIC HEALTH:** This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is at least eight months (October 1st to May 31st).

The curriculum is as follows:—

- (a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.
- (b) A course covering health organization, legislation and administration.
- (c) A course on vital statistics and records, including practical work.
- (d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155, for British subjects and \$205, for non-British subjects.

4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology, Bacteriology and Medical Jurisprudence, and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. From the latter is drawn chiefly its material. It was constructed at a cost of \$460,000; is of Montreal limestone; its main front is 242 feet long; the north end is 77 feet wide and the south end 60 feet. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Foundling Division, Children's Memorial Hospital.

Alexandra Hospital for Infectious Diseases.

Verdun Protestant Hospital.

Royal Edward Institute.

The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University building, is a general hospital for acute diseases and contains 709 beds and 110 cribs. During 1939 it cared for 14,098 cases, while in its out-door department 75,389 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 210 post-mortems.

The number of resident physicians is 45.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynaecological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1939 the obstetrical service cared for 2,004 confinements in the Hospital and 247 in the Out-patient Service. In the gynaecological section, 1,554 cases were admitted during the year.

There are nine resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In 1939 there were 11,727 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 219,055. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 306 autopsies performed which represents 94% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for the year 1939 was 24,761.

THE CHILDREN'S MEMORIAL HOSPITAL has 300 public beds, and, in 1939, admitted 3,455 patients. The attendance at its out-door department totalled over 29,850 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 56 autopsies during the year, which represents 85.7% of all deaths.

The number of resident physicians is 13.

A short post-graduate course lasting one week is offered during the month of September, before the beginning of the regular session, when clinics, lectures and demonstrations on the more important phases of pædiatrics are given.

THE MONTREAL FOUNDLING AND BABY HOSPITAL has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Division affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in 1939, 1,340 patients were admitted to the hospital. There were 11 autopsies.

The number of resident physicians is 4.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

THE ROYAL EDWARD INSTITUTE in its new building, 3674 St. Urbain St., has space for 23 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 50,000 bound volumes and over 25,000 pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological collection is excellent; its nucleus is the private collection of Dr. Casey A. Wood whose active interest the library still enjoys.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 9.30 p.m., except Saturdays, when it is closed at 5 p.m. After June 1st it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian.....W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,000 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("*Bibliotheca Osleriana*," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "*Bibliotheca Prima*," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its *Incunabula*, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers, are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

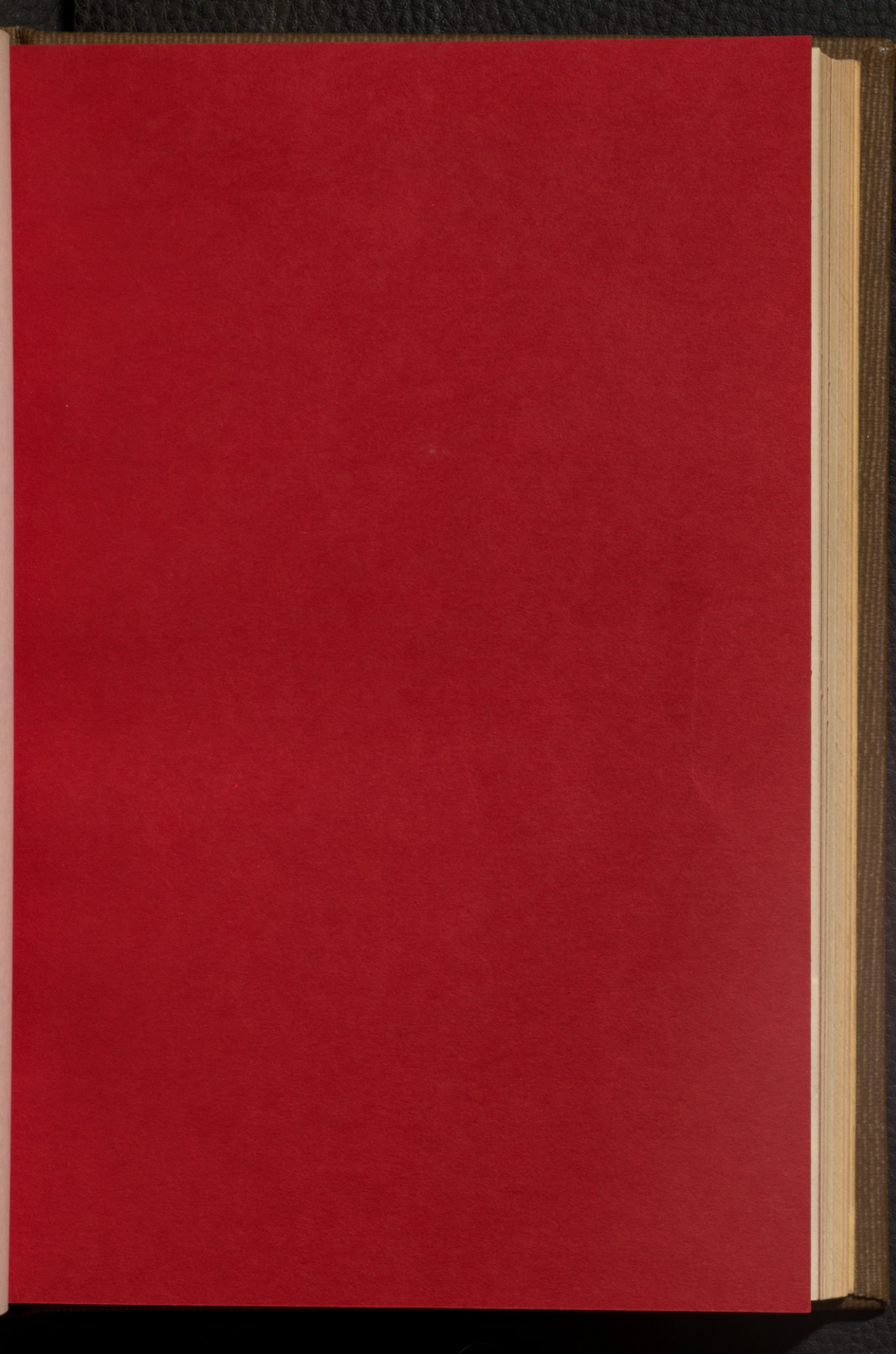
There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.



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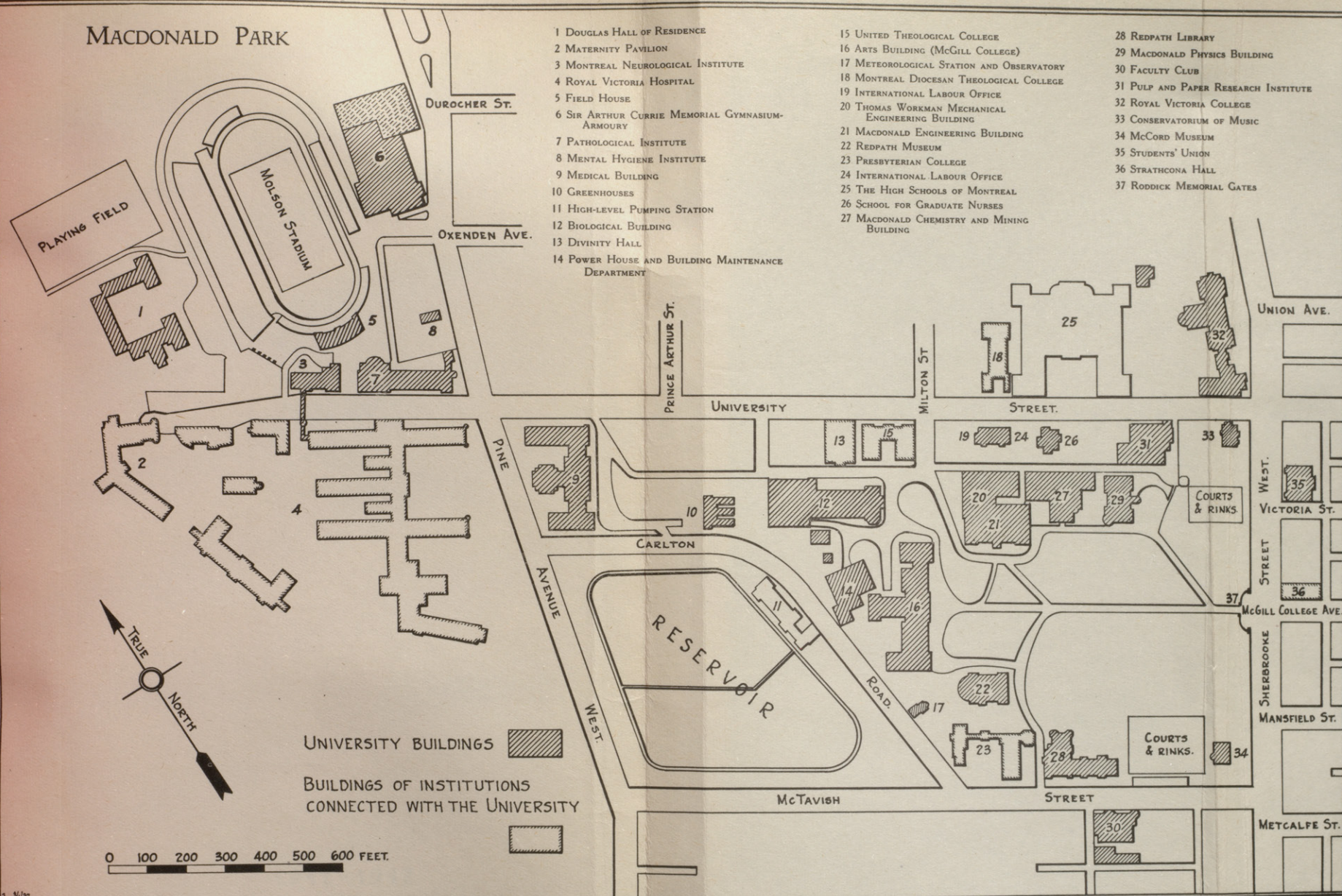
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MONTREAL



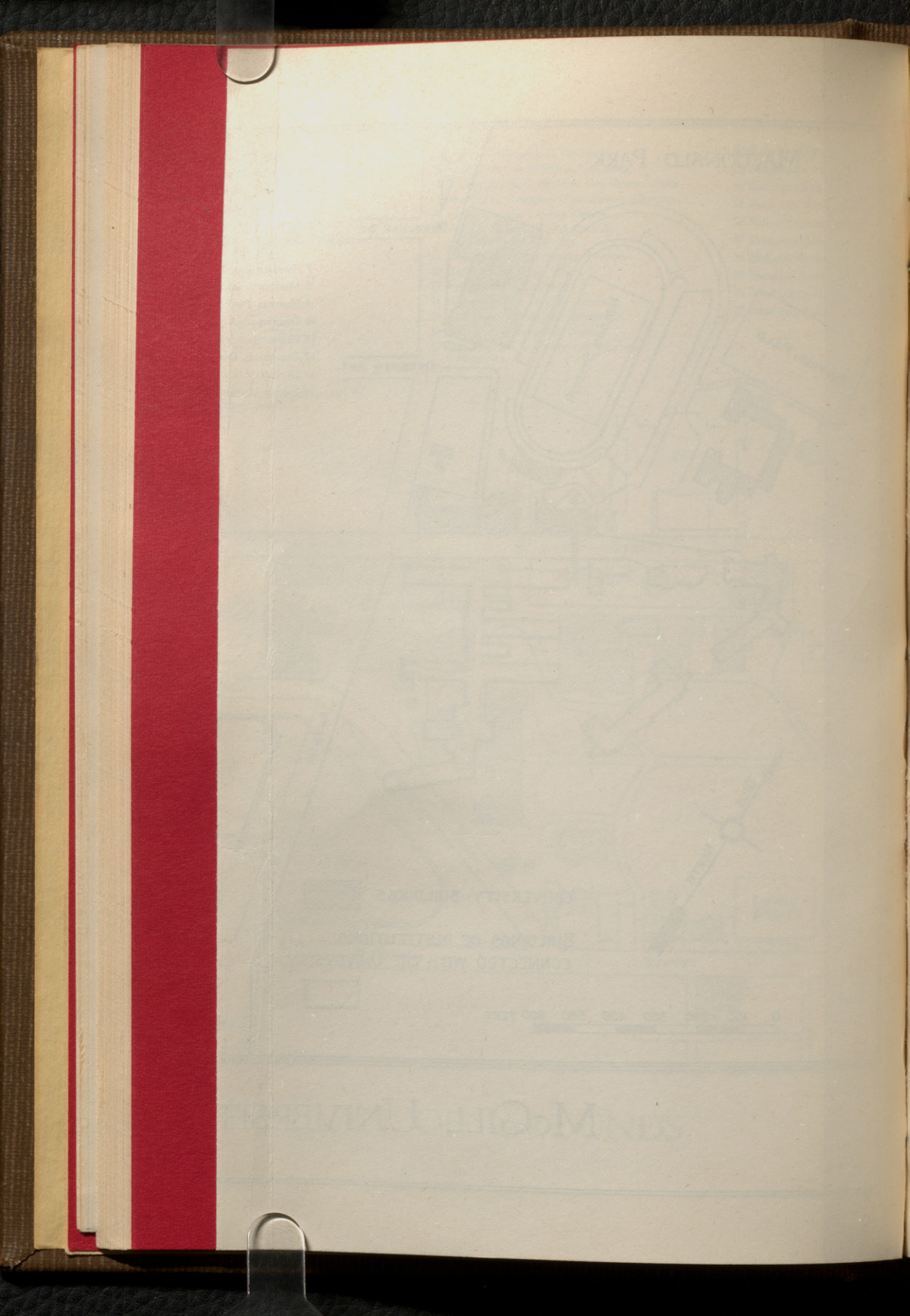
FACULTY OF MEDICINE

1941 - 1942

MACDONALD PARK



McGILL UNIVERSITY—PLAN OF GROUNDS



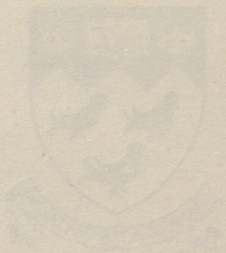
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FACULTY OF MEDICINE

1941 - 1942

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MONTREAL



FACULTY OF MEDICINE

1941-1942

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McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

| | |
|---|---|
| <i>Principal</i> | F. CYRIL JAMES, Ph.D., D.C.L. |
| <i>Dean of the Faculty</i> | J. C. MEAKINS, M.D., C.M., LL.D., F.R.C.P., F.R.S.C. |
| <i>Secretary of the Faculty</i> | J. F. McINTOSH, B.A., M.D., C.M. |
| <i>Bursar</i> | W. BENTLEY, C.G.A., A.C.I.S. |
| <i>Registrar</i> | T. H. MATTHEWS, M.A. |
| <i>University Librarian</i> | GERHARD R. LOMER, M.A., Ph.D., F.L.A. |
| <i>Honorary Medical Librarian</i> | R. L. STEHLE, M.A., Ph.D. |
| <i>Osler Librarian and Director of the Museum of the History of Medicine</i> .. | W. W. FRANCIS, A.B., M.D. |
| <i>Assistant Secretary of the Faculty</i> . . . | MISS G. D. MUDGE |

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.

FACULTY OF MEDICINE

The one hundredth and ninth session of the Faculty will open on September 3rd, 1941, for students of all years.

ENTRANCE REQUIREMENTS

A sound general education is an essential foundation for professional training and a four-year course leading to a B.A. or B.Sc. degree is considered the most desirable preparation for the study of medicine. Preference will be given, therefore, to applicants who have had a full academic course in which the humanistic studies have not been sacrificed to a narrow scientific specialization. Candidates without a degree should have at least three years of college work.

It is distinctly to be understood that the Faculty does not undertake to accept all students who have passed the courses necessary to fulfil the requirements. It reserves the right to select for admission only those candidates who, in the opinion of the Committee on Admissions, give promise of work of high quality in the medical course.

All applicants must present satisfactory evidence that their college courses include the following:—

PHYSICS—One year of General College Physics with laboratory work.

BIOLOGY.—One year of General Biology and Zoology with laboratory work. One half-year of Botany and one half-year of Zoology will be accepted, but not one year of Botany alone.

CHEMISTRY:—Two years:—

(a) One full course of General Chemistry with laboratory work.

(b) One full course of Organic Chemistry with laboratory work.

Students who wish to pursue their preliminary course at McGill may register as regular undergraduates in the Faculty of Arts and Science and should apply for admission to the Faculty of Medicine at the end of their third year or preferably on graduation.

Candidates for admission to the Faculty of Medicine must also present evidence that they have satisfied the matriculation requirements of the Licensing Body of the Province to which they belong (for further particulars see "Requirements for Licence to Practise," p. 495).

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

APPLICATION FOR EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 2nd, 1941. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

UNIVERSITY FEES

1. REGULAR STUDENTS.

| | |
|--|----------|
| Annual fee for British students..... | \$375.00 |
| By instalments: each of two instalments..... | 190.00 |
| Annual fee for Non-British students..... | 475.00 |
| By instalments: each of two instalments..... | 240.00 |
2. REPEATING A YEAR.

| | |
|--|--------|
| British students repeating a year pay..... | 200.00 |
| Non-British students repeating a year pay..... | 250.00 |
3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.
4. AD EUNDEM FEE.

Students entering any year above the first pay a special *ad eundem* fee of.....

| | |
|--|---------|
| | \$10.00 |
|--|---------|
5. DIPLOMA IN PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.
6. CAUTION MONEY.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session.....

| | |
|--|-------|
| | 10.00 |
|--|-------|

STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

| | |
|-------------------------------|---------|
| Regular students (men)..... | \$11.00 |
| Regular students (women)..... | 9.00 |
| Partial students..... | 5.00 |

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 2nd to Thursday September 4th, inclusive.

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).

COURSE AND EXAMINATIONS FOR THE M.D., C.M. DEGREE

Beginning with the class of students entering the first year in September, 1936, the course in the Faculty of Medicine was reorganized. The new regulations provide that:

The minimum period of professional training required by the University as a qualification for the independent practice of medicine shall be five years, including—

- (a) Four years of medical study in the University leading to the degree of M.D., C.M.; and
- (b) One year of internship in an approved hospital, *or* one year of further medical study in the Faculty of Medicine of McGill University or in another medical school approved by it.

In the four-year medical course the session is nine months, extending from the first week in September until the first week in June, with two weeks' vacation at Christmas and one week at Easter, thus covering thirty-six weeks.

The fifth year of training, which is required before licence in all Canadian Provinces and in 19 States of the Union, is post-graduate, so that those who choose to devote it to internship enter the hospital with all the advantages that accrue from the possession of a medical degree.

On the satisfactory conclusion of the year of internship or of advanced study the Faculty issues to the graduate a certificate that he has satisfied the University requirements and is eligible to present himself for the examination of a licensing board.

The arrangement of the major subjects of instruction is as follows:

FIRST YEAR:

Anatomy, Biochemistry, Histology and Embryology, Physiology.

SECOND YEAR:

Anatomy, Physiology, Pharmacology, General Pathology, Bacteriology, Parasitology, Medicine, Surgery, Obstetrics.

THIRD YEAR:

Special Pathology, Bacteriology and Immunology, Public Health, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, and Medical Jurisprudence,

FOURTH YEAR:

Pathology, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Ophthalmology, Otolaryngology.

A. THE MEDICAL COURSE

The academic year is divided into three terms and the minimum period of study required for the degree is twelve terms (four years).

The subjects comprised in the medical course are arranged in two groups:

The Pre-clinical Group:

Anatomy.
Histology and Embryology.
Biochemistry.
Physiology.
Pharmacology.

The Clinical Group:

Bacteriology.
Pathology.
Public Health and Preventive Medicine.
Medicine (including Pædiatrics, Neurology, Psychiatry, Dermatology and Laboratory Diagnosis).
Surgery (including Urology, Orthopædic Surgery, and Radiology).
Obstetrics and Gynæcology.

B. EXAMINATIONS

1. *Final or University Examinations* will be held in each major required subject of the curriculum. Grades attained in these examinations will be entered in the students' records, and will be the only grades used in determining aggregate standing.

To qualify for the University examination the student must have fulfilled the following conditions:

Anatomy: must have completed three terms of instruction in the subject and have passed all required course examinations.

Histology and Embryology: must have satisfactorily completed two terms of instruction in the subject and have passed all required course examinations.

Physiology: must have satisfactorily completed three terms of instruction and have passed all required course examinations.

Biochemistry: must have completed two terms of instruction and have passed all course examinations in the subject.

Pharmacology: must have satisfactorily completed one term of instruction.

Bacteriology: must have completed a course in Bacteriology and must have taken at least four terms of clinical instruction.

Pathology: must have completed at least three terms of work in the subject.

Public Health: must have completed the course and have taken at least three terms of clinical instruction.

Medicine: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Medicine. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Surgery: the *written* examination may be taken at any time after completion of six terms of clinical instruction, including three terms in Surgery. The *practical* examination may be taken on completion of seven terms of clinical instruction.

Obstetrics: both written and practical examinations may be taken on the completion of seven terms of clinical instruction.

2. *Departmental or Course Examinations*, i.e., examinations held during, or at the conclusion of individual courses in any subject and for the purpose of determining the students' progress and fitness to proceed in a given subject.

The following special regulations have been adopted in respect to course examinations in the clinical subjects:

1. *Pathology*—A course examination on the termination of the course in General Pathology.
2. *Medicine*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
3. *Surgery*—At the end of each term the group teachers shall report on the progress made by each student in their groups.
4. *Obstetrics*—An oral examination at the end of the course of didactic lectures in the 3rd year; and an oral and practical examination at the end of each term in the 4th year.

To qualify for the Final Examinations leading to the degree, a student must have passed the course examinations in the required subjects of the clinical group, and must have satisfactorily completed the prescribed courses of study and practice in:

- I. Ophthalmology.
- II. Oto-Laryngology.
- III. Psychiatry.
- IV. Infectious Diseases.

V. Anæsthesia.

VI. Pathological Anatomical Technique and methods of Post Mortem Examination and Diagnosis.

VII. Public Health Survey.

The Final Examinations in Medicine, Surgery and Obstetrics must all be passed at one time, but a student who fails in one of these subjects only may, at the discretion of the Faculty, be allowed a re-examination in that subject at the next regular examination period, provided that he shall have satisfactorily completed such additional work as may be prescribed by the Chairman of the Department concerned.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

At the end of the Spring Term, the Promotion Committee considers the cases of all students who are reported by their instructors as having fallen below the grade of C and determines whether such students are to be allowed to continue, warned, required to repeat the course or courses, or to retire from the Faculty.

NOTE:—The "Required Courses," together with suitable "Elective Courses" in the second year, qualify a candidate for the Primary Examination for Fellowship in the Royal College of Physicians and Surgeons of Canada.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

- A=Excellent
- B=Good
- C=Fair
- D=Doubtful
- E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University.
3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. E. Prud'homme, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, Calgary, Alta.

SASKATCHEWAN—Dr. J. G. K. Lindsay, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matri-

ulation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

Robert Reford Professor and

Chairman of the Department . . . C. P. MARTIN

Assistant Professor of Histology . . . H. SELYE

Lecturer in Histology C. P. LEBLOND

Senior Demonstrator in Anatomy . D. S. FORSTER

Demonstrators in Anatomy { F. S. DORRANCE
G. A. HOLLAND
A. M. VINEBERG
E. W. WORKMAN

Demonstrators in Histology { E. W. WORKMAN
W. WALFORD

Teaching Fellows in Anatomy . . . { CHRISTIANE DOSNE
F. L. McNAUGHTON
S. M. FRIEDMAN

REQUIRED COURSES

1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Frazer and Robbins, Larsell, Ramson.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Drs. Petersen and Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Three hours per week lecture and laboratory work for two terms on the Comparative Anatomy of the Human Skeleton, Fossil Man, and the Ancestral History of Man as far as it may be inferred from fossil remains.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body with the exception of the central nervous system and the special sense organs. Two hours lectures and nine hours laboratory work per week during the first half of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology".

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work from September to the end of February of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy".

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

| | |
|--|---|
| <i>Research Professor and Chairman of the Department</i> | BORIS P. BABKIN |
| <i>The Joseph Morley Drake Professor</i> | |
| <i>Assistant Professor</i> | N. GIBLIN |
| <i>Lecturers</i> | { S. DWORKIN S. A. KOMAROV D. A. ROSS |
| <i>Demonstrator</i> | RHODA GRANT |

REQUIRED COURSES

1. FIRST YEAR LECTURES.
Monday, Wednesday, Friday, at 9 a.m. (beginning in November).
- 1P. FIRST YEAR LABORATORY.
Six hours a week, Spring Term.
2. SECOND YEAR LECTURES.
Tuesday, Thursday, Saturday, at 9 a.m., Autumn Term.
Tuesday and Saturday, 10 a.m., Winter Term.
- 2P. SECOND YEAR LABORATORY (Mammalian).
Eight hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

Laboratory Manuals (requisite).

Sharpey-Schafer, Experimental Physiology; Sherrington and Liddell, Mammalian Physiology.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.
- 3P. ADVANCED LABORATORY.

BIOCHEMISTRY AND PATHOLOGICAL CHEMISTRY

| | |
|--|--|
| <i>Professor</i> | D. L. THOMSON |
| <i>Lecturers in Pathological Chemistry</i> | { J. S. L. BROWNE E. H. MASON I. M. RABINOWITCH* |
| <i>Lecturer</i> | O. F. DENSTEDT |

The Department offers, in addition to the required lecture and laboratory course, a course in Endocrinology; other courses are described in the Announcement of the Faculties of Arts and Science, and of Graduate Studies and Research.

1. GENERAL PHYSIOLOGICAL CHEMISTRY:

- (a) Lectures: In the second half of the first year and during the first and second terms of the second year, Monday, Wednesday, Friday, at 9.
- (b) Laboratory: Six hours weekly. This course is given in the second half of the first year and the first two terms of the second year.

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-Book of Biochemistry", (Macmillan); Williams, "Text-Book of Biochemistry" (van Nostrand); Cameron and Gilmour, "Biochemistry of Medicine" (Churchill); Wright, "Applied Physiology" (Oxford Univ. Press). A synopsis of the laboratory course is issued by the Department.

2. ENDOCRINOLOGY

Lectures: Wednesday at 3.

Text-book:—Cameron, "Recent Advances in Endocrinology" (Blakiston).

*On military service.

PATHOLOGY

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| <i>Strathcona Professor and Chairman of the Department</i> | G. LYMAN DUFF |
| <i>Professor</i> | L. J. RHEA |
| <i>Associate Professor</i> | THEO. R. WAUGH |
| <i>Lecturers</i> | { J. E. PRITCHARD E. S. INGRAHAM C. L. YUILE F. W. WIGGLESWORTH* |
| <i>Lecturer in Neuropathology</i> | KARL STERN |
| <i>Demonstrator</i> | H. L. FOSTER |
| <i>Douglas Fellow</i> | R. H. MORE |
| <i>Teaching Fellow</i> | C. L. WILSON |

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
 - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
Professor Duff.
 - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
Professor Duff, Dr. Yuile and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
 - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
Professor Duff, Professor Waugh and Lecturers.
 - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
Professor Duff, Professor Waugh and Staff.
 - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours.)
Dr. Yuile, Dr. Ingraham and Dr. Foster.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms.....Professor Duff.

*On military service.

- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute.....Professor Duff and Dr. Ingraham.
Montreal General Hospital..Professor Rhea and Dr. Pritchard.
Children's Memorial Hospital.....

Text Books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

REFERENCE BOOKS.

General:—Aschoff, Pathologische Anatomie (Gustav Fischer); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Oertel, Outlines of Pathology (Renouf); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafield & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

Tumours:—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

Haematopathology:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill).

Neuropathology:—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Technique:—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders), Saphir, Autopsy Diagnosis and Technique (Hoeber).

BACTERIOLOGY AND IMMUNITY

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| <i>Professor and Chairman of the</i> | |
| <i>Department.....</i> | E. G. D. MURRAY |
| <i>Associate Professor.....</i> | FREDERICK SMITH |
| <i>Assistant Professor.....</i> | T. E. ROY |
| <i>Lecturers.....</i> | { C. D. KELLY W. H. MATHEWS* C. R. BREWER |
| <i>Sessional Lecturer.....</i> | D. FLEMING |
| <i>Demonstrators.....</i> | { D. H. STARKEY N. W. McLELLAN R. P. DOW G. G. KALZ |

REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

*On military service.

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Thirty-two lectures and 63 hours practical work. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology, and to Graduate Students.

COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS.

COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES.

20 Lectures and demonstrations. First and Second Terms. Available to Medical Students who have completed two years of clinical work and satisfied the Examiners in Course 1.

COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc. (daily throughout the year; available only for Honours students in their Fourth year). 160 lectures and 852 hours practical work.

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, *Textbook of Bacteriology* (Appleton); R. Muir and J. Ritchie, *Manual of Bacteriology* (Oxford University Press); R. T. Hewlett and James McIntosh, *Manual of Bacteriology* (Churchill); T. J. Mackie and J. E. McCartney, *Practical Bacteriology* (Livingstone); J. W. Bigger, *Handbook of Bacteriology* (Bailliere Tindall & Cox); W. H. Park and A. W. Williams, *Pathogenic Micro-Organisms* (Lea & Febiger); Hans Zinsser, *Resistance to Infectious Diseases* (Macmillan); W. W. C. Topley and G. S. Wilson, *The Principles of Bacteriology and Immunity* (Edward Arnold & Co.); W. W. C. Topley, *An Outline of Immunity* (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); A. Calmette, L. Negri and A. Boquet, *Manuel Technique de Microbiologie et Serologie* (Masson & Cie); D. H. Bergey, *Manual of Determinative Bacteriology* (Williams & Wilkins). E. O. Jordan, *Textbook of General Bacteriology* (Saunders); Frederick P. Gay, *Agents of Disease and Host Resistance* (C. C. Thomas).

PARASITOLOGY

*Professor and Chairman of the
Department*.....T. W. M. CAMERON
Lecturers.....{H. BRUCE COLLIER
IVAN W. PARNELL*

REQUIRED COURSE

HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis. In the practical class, each student examines all the important species as well as the lesions caused by them.

Winter Term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book: Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

PUBLIC HEALTH AND PREVENTIVE MEDICINE

*Strathcona Professor and Chairman
of the Department*.....GRANT FLEMING
Associate Professor.....R. ST. J. MACDONALD
Assistant Professor.....FRANK G. PEDLEY
Demonstrator (Mental Hygiene)..BARUCH SILVERMAN
Demonstrator.....R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

*On Military Service.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what it is possible to do and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study requires individual field work by each student.

REQUIRED COURSES

1. INTRODUCTION TO PUBLIC HEALTH AND PREVENTIVE MEDICINE.
Spring term.....Professor Fleming.
2. PUBLIC HEALTH ORGANIZATION AND ADMINISTRATION. (Including related community services).
Winter term.....Professors Fleming, Macdonald
and Dr. Silverman.
3. MENTAL HYGIENE.
Winter term

4. PRACTICE OF PREVENTIVE MEDICINE, AND COMMUNICABLE DISEASE CONTROL.
Winter term.....Professors Fleming, Macdonald and Pedley.
5. DEMONSTRATIONS. (Chandler Health Centre).
Winter term.
6. HEALTH STUDY OF A CITY OR TOWN.
To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and reference books:—

*The General Field:—*Mustard; Parkes and Kenwood; Rosenau; Park; Fitzgerald.

*Industrial Hygiene:—*The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

*Mental Hygiene:—*The Mental Hygiene of Childhood, White.

PHARMACOLOGY AND THERAPEUTICS

Professor and Chairman of the

*Department.....*R. L. STEHLE

Associate Professor of

*Therapeutics.....*D. S. LEWIS

Assistant Professor of

*Pharmacology.....*K. I. MELVILLE

Lecturers in Therapeutics.....{D. GRANT CAMPBELL
W. DE M. SCRIVER

*Lecturer in Anaesthesia.....*WESLEY BOURNE

*Lecturer in Pharmacology.....*A. M. FRASER*

*Demonstrator.....*A. B. TEMPLE*

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful

*On Military Service.

clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville.

2. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

3. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

4. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

- 4a. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-books in Therapeutics,* Beckman, Lyon, Reiman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

*Professor and Chairman of the**Department*.....JONATHAN C. MEAKINS*Professor*.....L. C. MONTGOMERY**Associate Professors*.....E. H. MASON, I. M. RABINOWITCH**Assistant Professors*.....
{ C. C. BIRCHARD, J. S. L. BROWNE
J. KAUFMANN, D. S. LEWIS
C. F. MOFFATT, J. B. ROSS*Lecturers*.....
{ C. R. BOURNE, G. R. BROW,
D. G. CAMPBELL, KEITH GORDON,*
R. H. M. HARDISTY, A. T. HENDERSON,
J. F. MCINTOSH, D. W. MCKECHNIE,
E. S. MILLS, W. DE M. SCRIVER
E. M. HUNTER*Demonstrators*.....
{ L. J. ADAMS, J. O. W. BRABANDER,
HUGH BURKE, GORDON A. COPPING,*
W. W. EAKIN, NEIL FEENEY,
A. F. FOWLER, C. W. FULLERTON,
GUY HAMEL,
C. R. JOYCE, W. R. KENNEDY,
H. E. MACDERMOT, J. F. MACIVER,
J. WENDELL MACLEOD*, J. L. D. MASON,
D. L. MENDEL,
H. N. SEGALL, COLIN SUTHERLAND,
G. D. TAYLOR*, C. J. TIDMARSH,
R. VANCE WARD*Assistant Demonstrators*.....
{ D. BARZA, R. C. BENNETTS,
J. G. HOWLETT*, J. KILGOUR,
L. LOWENSTEIN*, J. F. MEAKINS,*
HOWARD S. MITCHELL,* S. ORTENBERG,
S. L. RICHARDSON, F. MCIVER SMITH,
A. T. THOM, S. R. TOWNSEND

PSYCHIATRY

Clinical Professor.....C. A. PORTEOUS*Clinical Professor of Neurology* F. H. MACKAY*Lecturers in Neurology*.....
{ A. W. YOUNG
N. VINER
G. E. READ
T. E. DANCEY*Demonstrators*.....
{ A. A. MACKAY
B. SILVERMAN
C. H. SKITCH
MILTON GRAY

*On military service.

DERMATOLOGY

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|----------------------------------|--|
| <i>Clinical Professors</i> | { P. BURNETT J. F. BURGESS |
| <i>Lecturers</i> | { L. P. EREAUX B. USHER F. E. CORMIA |
| <i>Demonstrator</i> | DONALD S. MITCHELL |

CLINICAL THERAPEUTICS

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|--|---|
| <i>Associate Professor</i> | D. S. LEWIS |
| <i>Lecturers</i> | { D. GRANT CAMPBELL W. DE M. SCRIVER |
| <i>Lecturer in Physio-Therapy</i> | NORMAN BROWN |
| <i>Demonstrator</i> | GUY FISK |

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The courses in internal medicine and its various branches are so arranged as to give the individual student as much independence as possible in his selection of his instructors and time and place of his required and elective courses. The University lectures and clinical lectures are open to students of all years. The student, therefore, may within wide limits determine the period and scope of his instruction. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

1. A course of University lectures on Medicine with integration of Physiology, Biochemistry, and Anatomy. This course is designed to

review and correlate MEDICINE in its broadest sense in regard to etiology, diagnosis and treatment. It commences with the last term of the second year. It is given in the University Medical Building by members of the Departments of Medicine and Surgery.

2. Courses of lectures will be given in Psychiatry and Therapeutics during the autumn and winter terms.

3. Clinical lectures in General Medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professor Meakins and Assistants.

4. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the spring term (16 weeks) of the second year and will occupy two periods a week of two hours each, from 10.15 to 12.15, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

5. A course in clinical microscopy will be given in the winter term only. There will be two laboratory periods a week, from 2 to 4 p.m., on Mondays and Fridays, in the Medical Building. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

6. A course in clinical medicine with case reporting and bedside clinics will be given in the autumn, winter and spring terms, to groups of students of the third year at the Royal Victoria Hospital and Montreal General Hospital.

Professor Meakins and Assistants.

7. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

- (a) A weekly theatre clinic on mental hygiene, neuroses, psychoses, and border line cases given during the final year at the Montreal Neurological Institute.
- (b) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

8. A clinical course in dermatology will be given in the autumn, winter and spring terms of one period a week at the Royal Victoria and Montreal General Hospitals. Drs. Burnett and Burgess.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, one and one-half hour's duration, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. PHYSIO-THERAPY. Three lectures and three periods of group instruction at times to be arranged. Drs. Lewis, Brown and Fisk.

11. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis, and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians on their daily rounds, attend autopsies, and report on them to his teachers.

MEDICAL JURISPRUDENCE AND TOXICOLOGY

A series of twenty lectures. Professor Rabinowich*.

MEDICAL JURISPRUDENCE: *Definition and scope:* obligations of the physician as a citizen. Ethics and Law in the conduct of medical practice. *Witnesses:* Ordinary. Expert. Skilled. *Medical Evidence:* Documentary. Oral. Experimental. Professional secrecy. Privileged communications. Rules regarding medical witnesses in Court. *Legal aspects of physical examinations. Malpractice:* Criminal. Civil. Negligence. Recklessness. "Reasonable care and judgment." *Identification of living persons:* Scars. Tattoo marks. Hair dyes. Dactylography. *Wounds:* Types. Ante- and post-mortem examination. Evidence furnished by wounds—Accident. Suicide. Murder. *Medico-legal aspects of blood examinations. Death:* Definitions. Conditions simulating death. Signs of death. Medico-legal forms of death. Estimation of length of time by post-mortem phenomena—Cooling. Hypostasis. Rigor. Decomposition. Modifying factors. Adipocere. Mummification. Medico-legal aspects of embalming and cremation. Presumption of death. Presumption of survivorship. Identification of the dead—Age. Sex. Stature. Teeth. Certification. *Medico-legal relations of sexual functions:* Impotence. Sterility. *Pregnancy. Abortion.* Natural. Criminal. Justifiable. *Birth:* Certification. Legitimacy. Paternity. *Infanticide.* Necessary proof of live birth. *Sexual offenses:* Rape and defloration. Examination of victim and accused. Unnatural offenses. *Mental disorders:* Testamentary capacity. Criminal responsibility. Certification. Medico-legal aspects of *alcoholism.* Criteria of drunkenness.

*On military service.

TOXICOLOGY: *Occurrence of poisoning:* Foods. Industrial. Clothes and cosmetics. Patent medicines. Therapeutic. *Classification of poisons.* *Modes of action.* Modifying factors—Mode of entry. Amount. Age. Habit. Tolerance. Idiosyncrasy. Physical condition of victim. *Diagnosis of acute poisoning:* Similarity between poisoning and disease. Rules for diagnosis. *Treatment:* General. Specific. *Medico-legal aspects of poisoning*—Accident. Suicide. Murder.

References:—Principles and Practice of Medical Jurisprudence—Taylor. Legal Medicine and Toxicology—Webster. Text-book of Forensic Medicine and Toxicology—Buchanan. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Sydney Smith. Forensic Medicine and Toxicology—F. J. Smith.

ELECTIVE COURSES

12. **PHYSIO-THERAPY (PRACTICAL):** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease. Dr. Brown.

13. A course of lectures on recent advances in Medicine and its allied branches is given once a week throughout the session.

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, hæmatology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

TEXT AND REFERENCE BOOKS

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis" Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry".

Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynaecology"; Clendenen, "Methods of Treatment"; "Pharmacopoea of the Teaching Hospitals".

Psychiatry:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology:—Walker "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PÆDIATRICS

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| <i>Professor and Chairman of the</i> | |
| <i>Department</i> | R. R. STRUTHERS |
| <i>Associate Professor</i> | S. GRAHAM ROSS |
| <i>Assistant Professors</i> | { A. GOLDBLOOM L. LINDSAY |
| | { A. K. GEDDES* |
| <i>Lecturers</i> | { ALAN ROSS JESSIE BOYD SCRIVER H. P. WRIGHT |
| | { P. N. MACDERMOT |
| <i>Demonstrators</i> | { E. M. WORDEN S. J. USHER |
| | { H. L. BACAL* |
| <i>Assistant Demonstrators</i> | { B. BENJAMIN |

REQUIRED COURSES

1. LECTURE COURSE: A series of thirty-five lectures on pædiatrics. Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital. Professor Struthers and Assistants.
2. INFECTIOUS DISEASES: A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital.
3. DISEASES OF THE NEW BORN: Royal Victoria Montreal Maternity Pavilion. A weekly clinical demonstration to groups of students of the Third Year.
4. CLINICAL PÆDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including:—
 - (a) General Pædiatrics—Children's Memorial Hospital.

*On Military Service.

- (b) Normal Infant Feeding, Care and Development and Preventive Pædiatrics—Montreal Foundling and Baby Hospital. Child Welfare Association Clinics.
- (c) Infectious Diseases—Alexandra Hospital.

Text-books: Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics"; Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children."

Reference Books: Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; "Abt's Pædiatrics" (8 volumes); Kanner, "Child Psychiatry".

NEUROLOGY AND NEUROSURGERY

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|---|-------------------|
| <i>Professor and Chairman of the Department</i> | WILDER PENFIELD |
| <i>Associate Professor of Neurology</i> | COLIN RUSSEL* |
| <i>Associate Professor of Neurosurgery</i> | WILLIAM CONE* |
| <i>Clinical Professor of Neurology</i> | F. H. MACKAY |
| <i>Assistant Professor of Neurology</i> | DONALD McEACHERN |
| <i>Assistant Professor in Neuro-psychiatry</i> | MIGUEL PRADOS |
| <i>Assistant Professor of Neurosurgery</i> | A. R. ELVIDGE |
| | F. McNAUGHTON |
| | J. N. PETERSEN |
| <i>Lecturers in Neurology</i> | N. VINER |
| | A. W. YOUNG |
| | J. KERSHMAN |
| <i>Lecturer in Neurological Roentgenology</i> | A. E. CHILDE* |
| <i>Lecturer in Neurological Electrography</i> | HERBERT JASPER |
| <i>Lecturer in Clinical Psychology</i> | MOLLY HARROWER |
| <i>Lecturer in Neurosurgery</i> | T. C. ERICKSON |
| <i>Lecturer in Neuropathology</i> | KARL STERN |
| <i>Demonstrator in Neurological Electrography</i> | ANDRE CIPRIANI |
| <i>Assistant Demonstrators in Neurosurgery</i> | { ROBERT PUDENZ |
| | { GUY ODOM |
| <i>Assistant Demonstrators in Neuropathology</i> | { EVERETT HURTEAU |
| | { T. RASMUSSEN |
| | PETER LEHMAN |
| | E. W. MACK |
| <i>Fellows</i> | G. K. MORTON |
| | C. BERTRAND |
| | E. S. LOTSPEICH |

*On military service.

The Department of Neurology and Neurosurgery co-operates intimately with the Departments of Medicine, Surgery and Pathology in their regular teaching.

In addition the following elective courses are offered:

1. Case Presentations. Diseases of the Nervous System.

Outpatient Department, Royal Victoria Hospital, Tuesdays at 3.00 p.m.

Professor Penfield.

2. Fundamentals of Neurology (Neuro-Anatomy, Neuro-Physiology, Biological Chemistry and Roentgenology).

Neurological Institute, Tuesdays at 5 p.m.

Drs. Petersen, McEachern, Jasper, McNally, Kershman, McNaughton, Erickson, Stern and Harrower-Erickson.

3. Introduction to the study of Psychological Medicine. 5 lectures. Neurological Institute. Dr. Prados.

4. Advanced Neuroanatomy (Anatomy 4). Construction of Model of Human Brain. Neurological Institute. Monday and Tuesday 8-10 p.m. Drs. McNaughton, and Kershman.

SURGERY

*Professor of Urology and Chairman
of the Department of Surgery*..... F. S. PATCH

Associate Professors..... { F. B. GURD
C. K. P. HENRY
F. E. McKENTY

Assistant Professor..... J. C. ARMOUR

Lecturers..... { H. L. DAWSON, H. M. ELDER*
R. R. FITZGERALD, G. A. FLEET
J. G. W. JOHNSON, C. A. McINTOSH*
L. H. McKIM, G. GAVIN MILLER
D. E. ROSS, A. J. STEWART,
F. J. TEES, A. L. WILKIE

Demonstrators..... { S. G. BAXTER, E. M. COOPER,
J. C. LUKE*, S. J. MARTIN,*
H. S. MORTON,* H. F. MOSELEY,
H. G. PRETTY, A. ROSS*,
P. G. ROWE

Assistant Demonstrators..... { F. D. ACKMAN, H. A. BAXTER,
H. S. DOLAN, G. A. HOLLAND,
G. D. LITTLE, J. C. SUTTON,
D. W. WEBSTER*

*On military service.

UROLOGY

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| <i>Clinical Professor</i> | E. C. SMITH |
| <i>Lecturer</i> | R. E. POWELL |
| <i>Demonstrators</i> | { A. B. HAWTHORNE M. I. SENG A. M. J. TANNEY |
| <i>Assistant Demonstrators</i> | { M. RATNER R. G. REID* |

ORTHOPAEDIC SURGERY

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|-------------------------------------|--|
| <i>Clinical Professors</i> | { J. A. NUTTER W. G. TURNER |
| <i>Lecturers</i> | { W. J. PATTERSON* N. T. WILLIAMSON |
| <i>Assistant Demonstrators</i> | { J. G. PETRIE* J. G. SHANNON* |

ANÆSTHESIA

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| <i>Lecturers</i> | { D. LEIGH C. C. STEWART F. A. H. WILKINSON |
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Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

REQUIRED COURSES

Second Year. Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*On military service

1. A lecture course during the spring term.
2. Amphitheatre clinics, alternately in the Montreal General and Royal Victoria Hospitals, two days a week, during the term.
3. Group classes in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

Third Year. The student comes into a more intimate contact with the patient, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, assists at operations, etc.

1. Amphitheatre clinics and demonstrations in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
2. Group ward classes.
3. Case reporting. Patients are allotted to students who act as reporters, dressers, assistants at operations, etc.
4. Clinico-pathological conferences, one period a week, jointly with the Department of Pathology.
5. A course in applied anatomy, jointly with the Department of Anatomy, ten periods.

Fourth Year. During the surgical trimester of this year, the student devotes his entire time to surgery and its allied specialties.

1. Amphitheatre clinics and demonstrations at the Montreal General and Royal Victoria Hospitals.
2. Group ward classes.
3. Case reporting.
4. Clinico-pathological conferences, jointly with the Department of Pathology.
5. A course of lectures in General Surgery will be given, one weekly, during the year.

SURGICAL DISEASES OF CHILDREN. During the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, instruction in the surgical diseases of children is given by means of amphitheatre clinics and group ward classes.

ORTHOPÆDIC SURGERY.

Fourth Year. A short course of clinical lectures.

Ward classes are given once a week during the surgical trimester, of the Fourth Year.

UROLOGY.

Fourth Year. A short course of clinical lectures.

Ward classes are given twice weekly during the surgical trimester of the Fourth Year.

Clinico-pathological conferences, jointly with the Department of Pathology, once a week during the surgical trimester of the Fourth Year.

Instruction in venereal diseases is given in the out-patient department, once a week, during the surgical trimester.

ANAESTHESIA. Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy."

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations." Magnuson's "Fractures"; Stimson's "Manual of Fractures and Disloca-

itions"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's Fractures and Dislocations.

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations."

OBSTETRICS AND GYNÆCOLOGY

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| <i>Professor and Chairman of the Department</i> | J. R. FRASER |
| <i>Associate Professor</i> | A. D. CAMPBELL |
| <i>Clinical Professor</i> | J. W. DUNCAN |
| <i>Assistant Professor</i> | W. A. G. BAULD |
| <i>Lecturers</i> | { G. C. MELHADO IVAN PATRICK |
| | { DOUGLAS GURD J. STEWART HENRY |
| <i>Demonstrators</i> | { ELEANOR PERCIVAL N. W. PHILPOTT C. V. WARD* |
| <i>Clara Law Fellow and Demonstrator</i> | P. J. KEARNS |
| | { K. T. MACFARLANE |
| <i>Assistant Demonstrators</i> | { G. B. MAUGHAN* D. W. SPARLING* |
| <i>A. A. Brown Fellow</i> | F. D. JOHNSON* |
| <i>Teaching Fellow</i> | W. R. FOOTE |

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Each student serves in the ante-natal clinics in the city.

*On military service.

OBSTETRICS

REQUIRED COURSES

1. An introductory course of sixteen lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.
Medical Building. One lecture a week—Spring Term.
Professor Fraser.
2. A systematic course of lectures is given twice weekly throughout the entire Third Year at the University. This lecture course is a continuation of the introductory series of lectures begun in the last term of the Second Year.
3. Clinical instruction during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labour and the puerperium in case room and wards, together with ante-natal care in the out-patient department. Autumn, Winter and Spring Terms.
4. Special courses in obstetrical palpation and on the manikin daily throughout the session with the aid of models, diagrams, lantern slides and moving pictures. Autumn, Winter and Spring Terms.
5. Clinical Conferences thrice weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.
Autumn, Winter and Spring Terms.
6. Group Instruction. The teaching in the final year is conducted entirely by senior teachers.
Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.
7. Lecture Demonstrations in the theatre are held daily during each term on the following subjects:—
 - A. Normal Labour.....Dr. Melhado.
 - B. Puerperal Infection.....Professor A. D. Campbell.
 - C. Hæmorrhages of Pregnancy. Labour and the Puerperium.
Professor Duncan.
 - D. Toxæmia of Pregnancy.....
 - E. Dystocia.....Professor Bauld.
8. Care of the New-born. Drs. Struthers & Ross.
The clinical demonstration once weekly throughout the year by the Pædiatrician in charge of the new-born, is intended to provide a clear and concise survey of the physiology and pathology of the new-born. Particular emphasis is laid on infant feeding and neonatal disease.

9. The Staff Conference held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of internship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.

2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.

4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Professor Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

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| (1) De Lee | Principles and Practice of Obstetrics. |
| (2) Stander | Text book on Obstetrics. |
| (3) Ten Teachers | Midwifery. |
| (4) Harper | Clinical Obstetrics. |
| (5) Bourne | Synopsis of Midwifery and Gynæcology. |
| (6) Johnson, R. W. | Text book of Midwifery. |
| (7) Bland | Practice of Obstetrics. |
| (8) Miller, J. | Manual of Obstetrics. |
| (9) Appleton | Obstetrical and Gynæcological Monographs. |
| (10) Peterson | Demonstration Course in Obstetrics. |
| (11) Irving | Text book on Obstetrics. |
| (12) Beck | Obstetrical practice. |
| (13) Adair | Obstetrics. |

GYNÆCOLOGY.

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| (1) Graves | Text book of Gynæcology. |
| (2) Curtis | Text book of Gynæcology and System of Gynæcology and Obstetrics. |

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| (3) Ten Teachers | Diseases of Women. |
| (4) Monroe Kerr | Gynæcology. |
| (5) Blair Bell | Principles of Gynæcology. |
| (6) Kelly, Howard | Text book of Gynæcology. |
| (7) Goodall | Puerperal Infection. |
| (8) Crossen | Gynæcology. |

OPHTHALMOLOGY

*Professor and Chairman of the
Department.....* J. A. MACMILLAN
Lecturer.....

Demonstrators..... { K. B. JOHNSTON
STUART RAMSEY
J. ROSENBAUM
R. J. VIGER
Assistant Demonstrators..... { B. ALEXANDER
J. V. V. NICHOLLS*

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....Professor MacMillan and members of the Staff.

2. LECTURE DEMONSTRATIONS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours.....Professor MacMillan.

3. CLINICAL OPHTHALMOLOGY.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systematic disorders and affections of

the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professor McKee and Staff.

Text-books.—Parsons, May, Swanzy, De Schweinitz, Fuchs.

OTO-LARYNGOLOGY

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| <i>Assistant Professors</i> | { D. H. BALLON G. E. HODGE |
| <i>Lecturers</i> | { W. J. McNALLY R. P. WRIGHT* |
| <i>Demonstrators</i> | { K. O. HUTCHISON B. F. MacNAUGHTON G. E. TREMBLE |
| <i>Assistant Demonstrators</i> | { A. O. FREEDMAN G. E. M. HILTON E. E. SCHARFE* E. A. STUART |

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 20 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre-and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

*On military service.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

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| <i>Associate Professor and Chairman of the Department of Radiology.....</i> | W. L. RITCHIE |
| <i>Associate Professor.....</i> | CARLETON B. PEIRCE |
| <i>Lecturers.....</i> | <div style="display: inline-block; vertical-align: middle;"> <div style="display: inline-block; vertical-align: middle;"> { E. C. BROOKS A. E. CHILDE J. W. MCKAY </div> </div> |

REQUIRED COURSES

SECOND YEAR. In the spring term, demonstrations are given to small groups of students on the use of the fluoroscope as a method of examination, and, in addition, a short course of introductory lectures is delivered dealing with the principles and application of roentgenology to Medicine.

THIRD YEAR. All terms. Two conferences a week are held, each of an hour's duration, in which is covered the direct application and interpretation of roentgenology to the problems of Medicine, Surgery, Obstetrics and other clinical specialties.

FOURTH YEAR. All terms. Students reporting for Medicine, Surgery and Gynaecology are required to attend the Tumour Conferences held in the different teaching hospitals, and, in addition, a course of seven clinical lectures is delivered, designed to review the important features of roentgenology in the practice of Medicine.

At the teaching hospitals of McGill's Medical School, opportunities are afforded for graduates to fulfil the requirements of the Specialty Board of Radiology held under the jurisdiction of the Royal College of Physicians and Surgeons of Canada and of the American Board of Radiology.

RESEARCH INSTITUTE OF ENDOCRINOLOGY

J. B. COLLIP, *Director*

ROBERT L. NOBLE

A. H. NEUFELD

HECTOR MORTIMER

This Institute, established in 1941 and housed in the West Wing of the Medical Building, will be devoted to research in the fundamentals of endocrinology. It will not be an undergraduate teaching department, but will be closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine, and will afford facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute will be under the direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble will be the senior assistant in the physiological branches of the subject and Dr. A. H. Neufeld will be the senior assistant in the biochemical branches.

Inquiries concerning the Institute should be addressed to the Director.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).
3. **COURSE FOR DIPLOMA IN PUBLIC HEALTH:** This course is specially designed as a thorough training for medical men undertaking the duties of a Medical Officer of Health.

The duration of the course is one academic year.

The curriculum is as follows:—

- (a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.
- (b) A course covering health organization, legislation and administration.
- (c) A course on vital statistics and records, including practical work.
- (d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Foundling Division, Children's Memorial Hospital.

Alexandra Hospital for Infectious Diseases.

Verdun Protestant Hospital.

Royal Edward Institute.

The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 709 beds and 110 cribs. During 1940 it cared for 14,488 cases, while in its out-door department 74,591 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 476 post-mortems.

The number of resident physicians is 56.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynaecological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1940 the obstetrical service cared for 2,153 confinements in the Hospital and 235 in the Out-patient Service. In the gynaecological section, 1,585 cases were admitted during the year.

There are nine resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In 1940 there were 11,753 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 204,621. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 372 autopsies performed which represents 89% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for the year 1940 was 23,169.

THE CHILDREN'S MEMORIAL HOSPITAL has 300 public beds, and, in 1940, admitted 3,602 patients. The attendance at its out-door department totalled over 30,822 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 59 autopsies during the year, which represents 92.9% of all deaths.

The number of resident physicians is 18.

THE MONTREAL FOUNDLING AND BABY HOSPITAL has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Division affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds. Resident Physicians, 2.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in 1940, 1,340 patients were admitted to the hospital. There were 11 autopsies.

The number of resident physicians is 4.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

THE ROYAL EDWARD INSTITUTE in its new building, 3674 St. Urbain St., has space for 23 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 53,000 bound volumes and over 25,000 pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological collection is excellent; its nucleus is the private collection of Dr. Casey A. Wood whose active interest the library still enjoys.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian.....W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,000 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("*Bibliotheca Osleriana*," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "*Bibliotheca Prima*," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its *Incunabula*, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

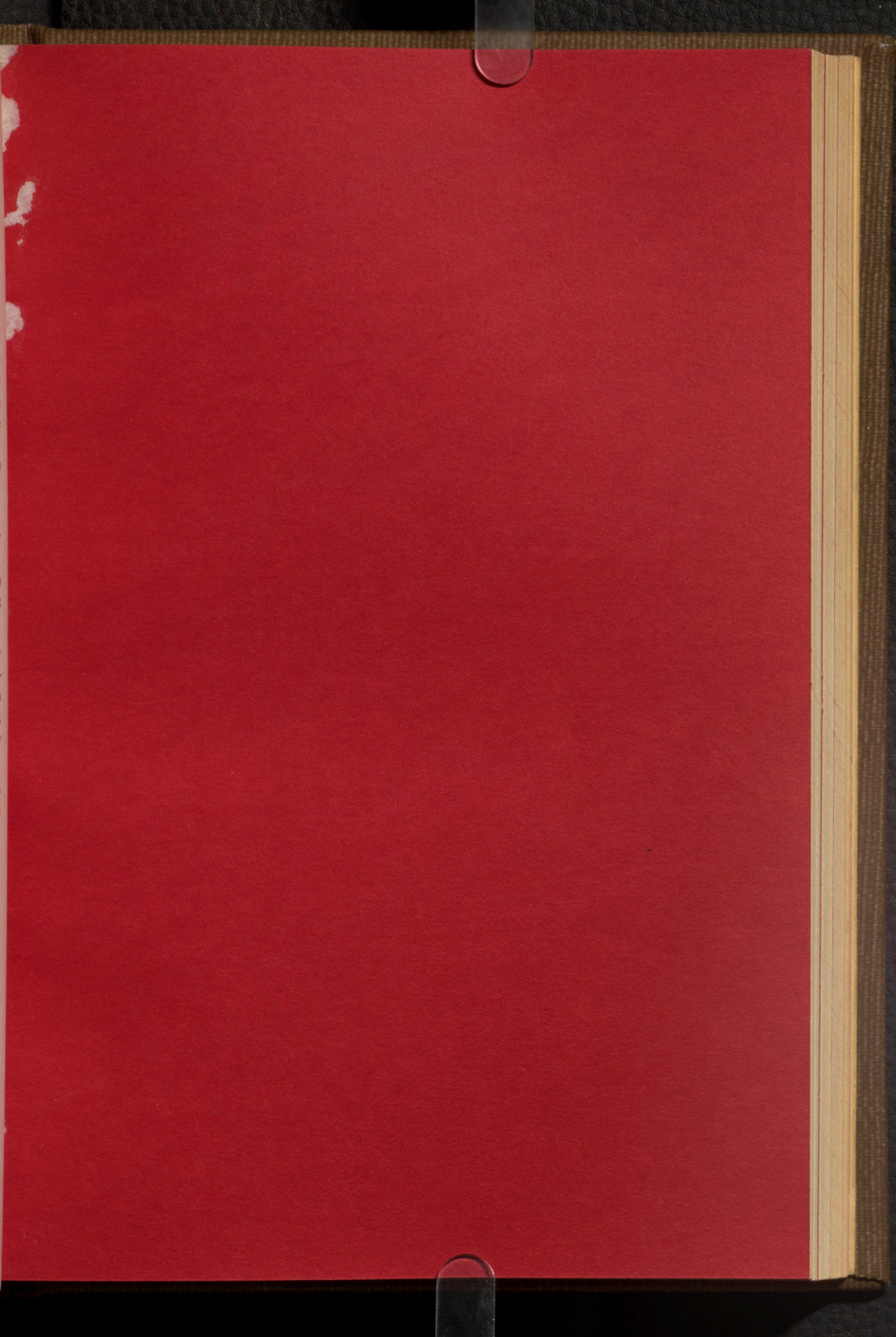
There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Fourth and Fifth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.



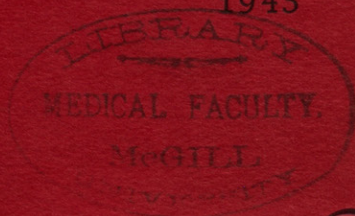
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McGILL UNIVERSITY
MONTREAL

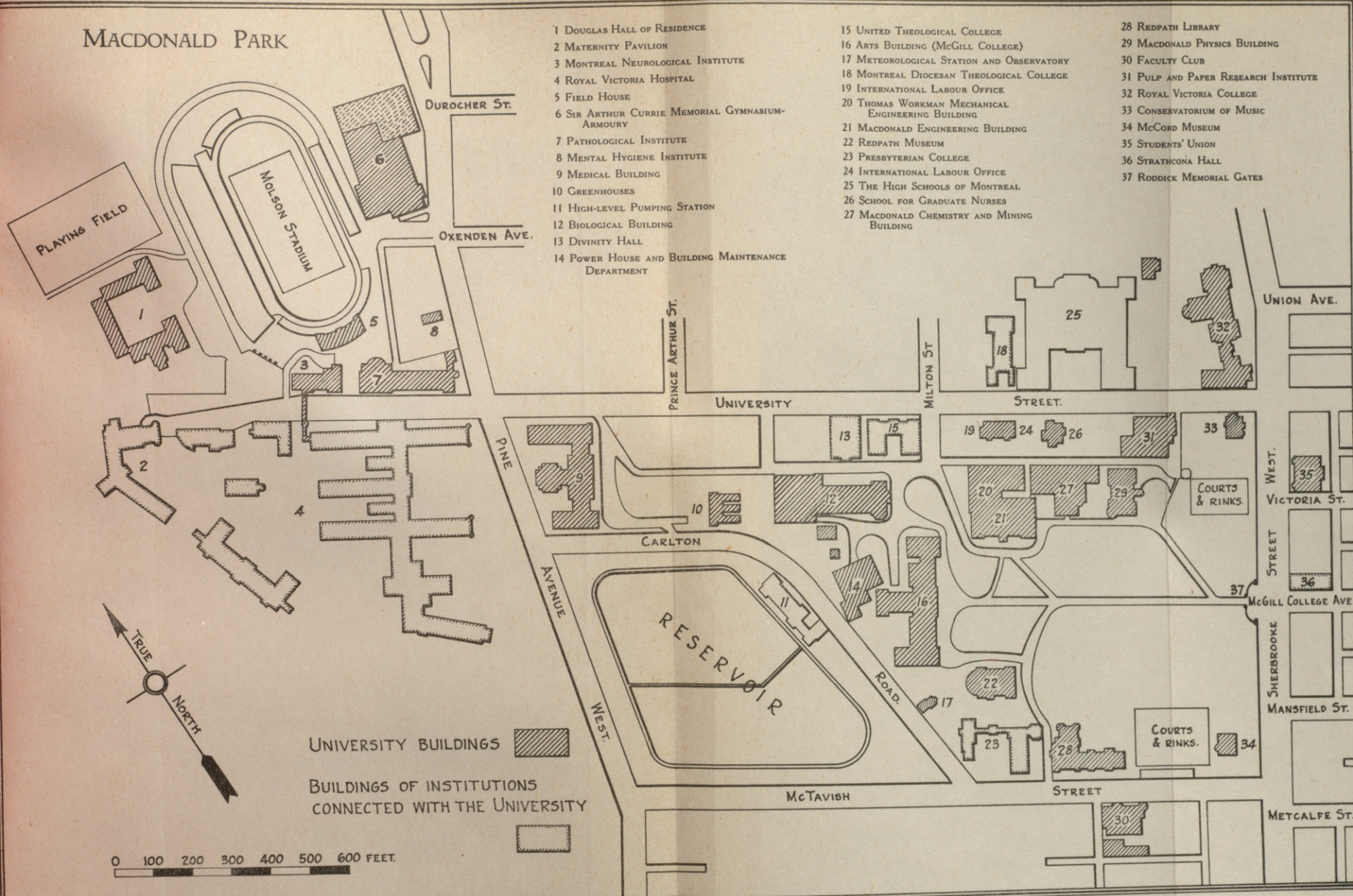


FACULTY OF MEDICINE

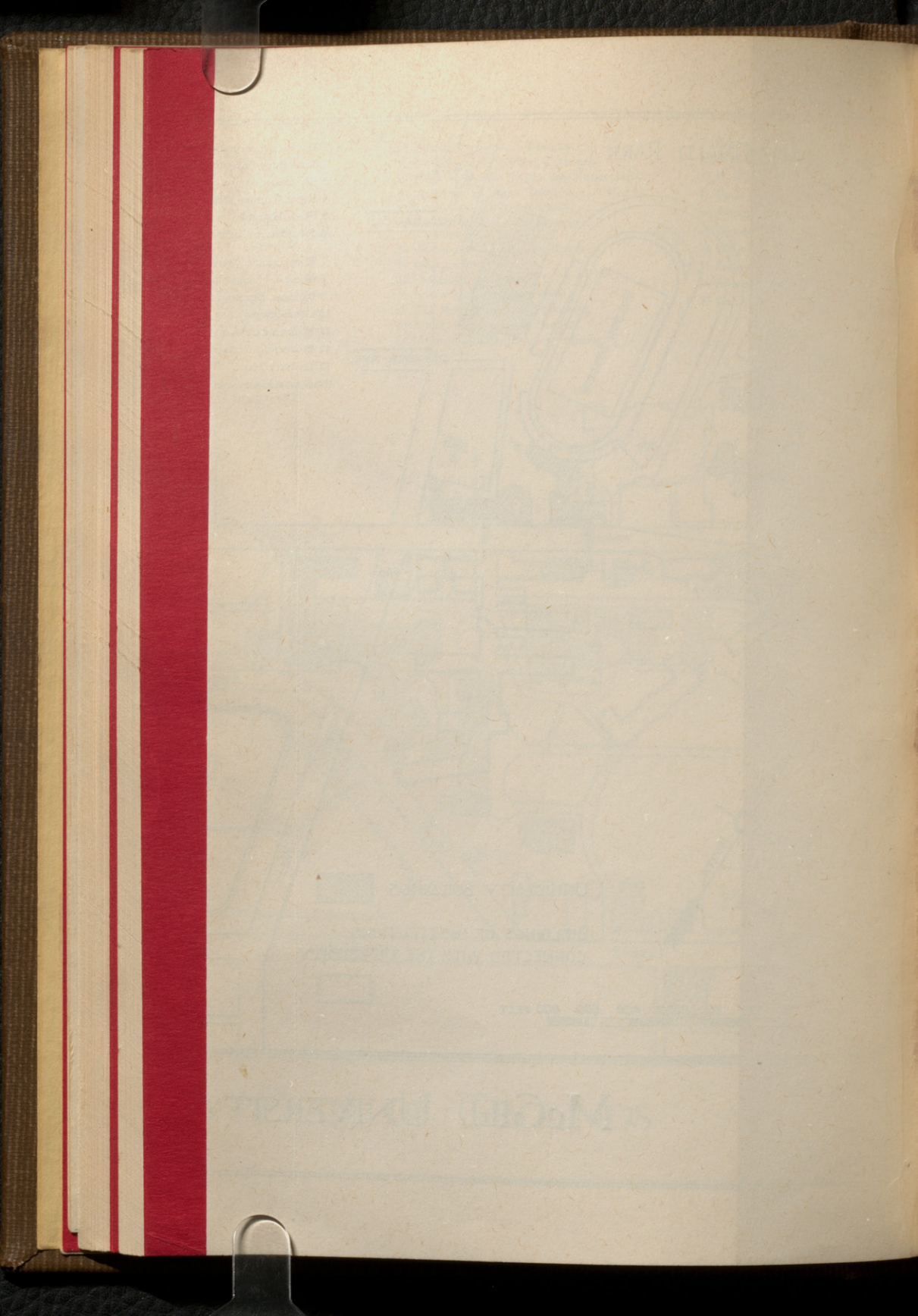
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MACDONALD PARK



McGILL UNIVERSITY—PLAN OF GROUNDS



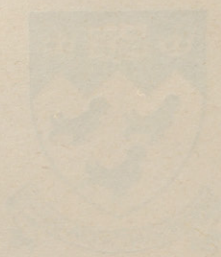
McGILL UNIVERSITY
MONTREAL



FACULTY OF MEDICINE

1943

McGILL UNIVERSITY
MONTREAL



FACULTY OF MEDICINE

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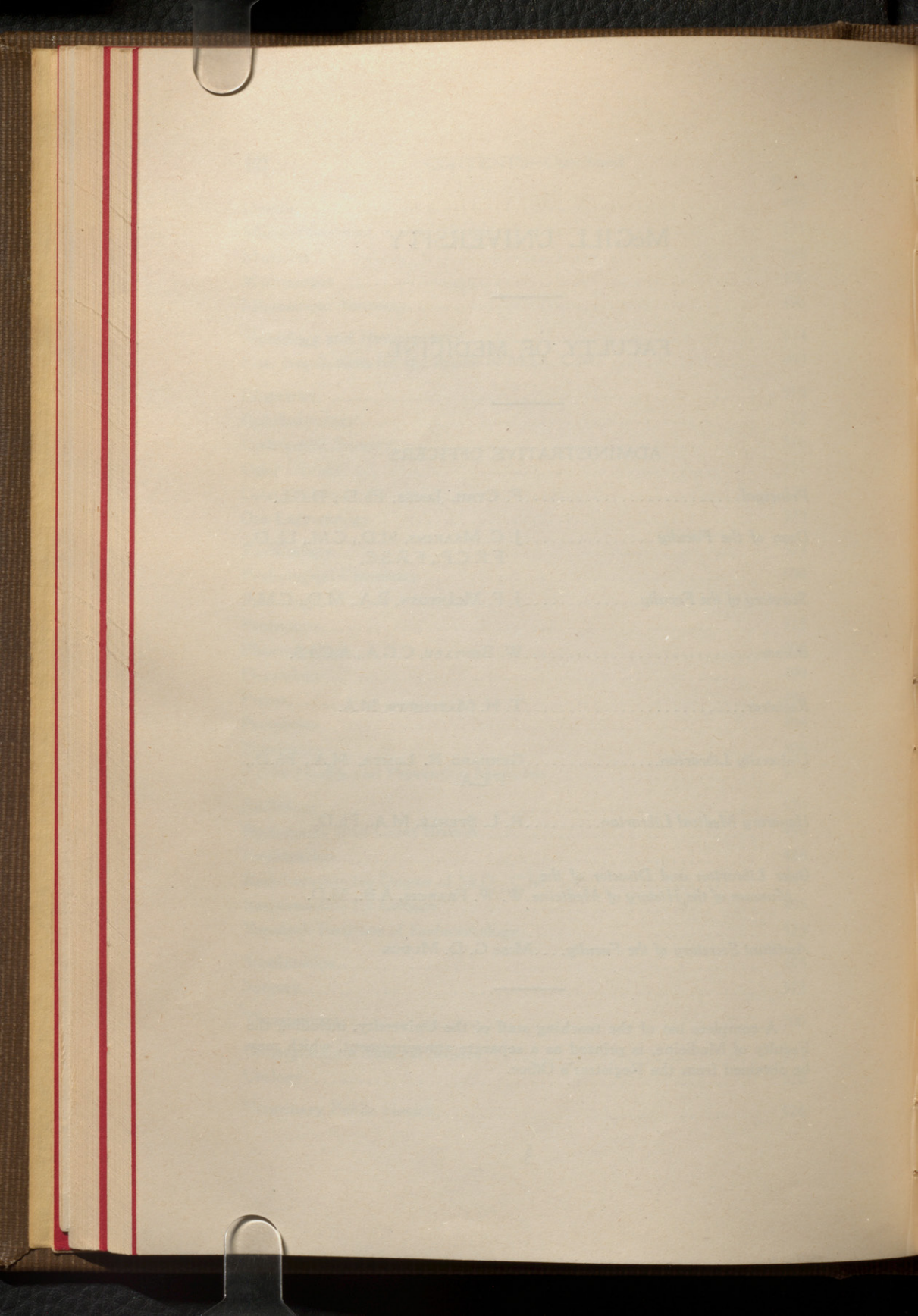
McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

| | |
|--|---|
| <i>Principal</i> | F. CYRIL JAMES, Ph.D., D.C.L. |
| <i>Dean of the Faculty</i> | J. C. MEAKINS, M.D., C.M., LL.D., F.R.C.P., F.R.S.C. |
| <i>Secretary of the Faculty</i> | J. F. McINTOSH, B.A., M.D., C.M. |
| <i>Bursar</i> | W. BENTLEY, C.G.A., A.C.I.S. |
| <i>Registrar</i> | T. H. MATTHEWS, M.A. |
| <i>University Librarian</i> | GERHARD R. LOMER, M.A., Ph.D., F.L.A. |
| <i>Honorary Medical Librarian</i> | R. L. STEHLE, M.A., Ph.D. |
| <i>Osler Librarian and Director of the Museum of the History of Medicine</i> | W. W. FRANCIS, A.B., M.D. |
| <i>Assistant Secretary of the Faculty</i> ... | Miss G. D. MUDGE |

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.



FACULTY OF MEDICINE

The one hundredth and tenth session of the Faculty will open on September 9th, 1942, for students of all years.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 8th, 1942. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

UNIVERSITY FEES

1. REGULAR STUDENTS.

| | |
|--|----------|
| Annual fee for British students..... | \$375.00 |
| By instalments: each of two instalments..... | 190.00 |
| Annual fee for Non-British students..... | 475.00 |
| By instalments: each of two instalments..... | 240.00 |
2. REPEATING A YEAR.

| | |
|--|--------|
| British students repeating a year pay..... | 200.00 |
| Non-British students repeating a year pay..... | 250.00 |
3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.
4. AD EUNDEM FEE.

Students entering any year above the first pay a special *ad eundem* fee of.....

| | |
|--|---------|
| | \$10.00 |
|--|---------|
5. DIPLOMA IN PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.
6. CAUTION MONEY.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session.....

| | |
|--|-------|
| | 10.00 |
|--|-------|

STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

| | |
|-------------------------------|---------|
| Regular students (men)..... | \$11.00 |
| Regular students (women)..... | 9.00 |
| Partial students..... | 5.00 |

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 8th, to Thursday September 10th, inclusive.

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

During war-time acceleration of the course, four annual fees will continue to be paid. The dates when fees are due and payable will remain unchanged.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Every effort is made by the University to obtain satisfactory microscopes for the students at a preferred cost, but this cannot be guaranteed.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital,

OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into two terms (of eighteen weeks) in the first session and into three terms in the following three sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

ACCELERATION OF COURSE AS A WAR-TIME MEASURE:

At the request of the Federal Government of Canada the medical course will be accelerated as a "war measure", as long as this appears to be necessary, in order that medical students may graduate at an earlier date. It is planned that this will be accomplished by the introduction of summer terms, reducing the normal summer vacation periods to a minimum. Each summer session will accelerate the graduation of the class which takes it by approximately three months. According to this plan a class will be admitted in September of each year. A student entering at this time will complete his lectures and examinations in June three years later and at the end of the fourth year will have completed his internship and will be eligible for his license examinations. The Department of National Defense has made arrangements to enlist senior Canadian students in Medicine into the Canadian Army (Active) in conjunction with this scheme for acceleration of the course. Details of this scheme may be obtained on application to the office of the Dean.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION:

Anatomy (Embryology), Biochemistry, Histology, Physiology.

SECOND SESSION:

Physiology, Pharmacology, General Pathology, Bacteriology, Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics.

THIRD SESSION:

Special Pathology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, Medical Jurisprudence, Radiology.

FOURTH SESSION:

Medicine,* Surgery,* Obstetrics and Gynaecology, Paediatrics, Ophthalmology, Otolaryngology.

*In these subjects are included the following:—

Medicine—Dermatology, Psychiatry, Neurology, Clinical Therapeutics, Medical Radiology.

Surgery—Orthopaedics, Urological Surgery, Neurosurgery, Anaesthesia, and Surgical and Therapeutic Radiology.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology, Pathology, Public Health, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Endocrinology, Immunology, Medical Jurisprudence, Ophthalmology, Otolaryngology, and examinations preliminary to the final examinations in Anatomy, Physiology, Public Health, Medicine (including Therapeutics and Psychiatry), Surgery, Obstetrics and Gynaecology and Paediatrics.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major

examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such a subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in

examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that not more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The first Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology and Endocrinology, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology and Paediatrics, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

- A=Excellent
- B=Good
- C=Fair
- D=Doubtful
- E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 491.)
3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
5. He must have attended during at least three sessions or nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student

must be registered with the provincial licensing body for five years before a licence to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. E. Prud'homme, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matri-

ulation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

| | |
|---|-------------------|
| <i>Robert Reford Professor and</i> | |
| <i>Chairman of the Department</i> . . . | C. P. MARTIN |
| <i>Associate Professor of Histology</i> . . | H. SELYE |
| <i>Assistant Professor of Anatomy</i> . . . | D. S. FORSTER |
| <i>Lecturer in Histology</i> | C. P. LEBLOND |
| <i>Demonstrators in Anatomy</i> | { F. S. DORRANCE* |
| | { E. W. WORKMAN |
| <i>Demonstrators in Histology</i> | { E. W. WORKMAN |
| | { W. WALFORD |
| <i>Teaching Fellow in Anatomy</i> | S. M. FRIEDMAN |

REQUIRED COURSES

1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Frazer and Robbins, Larsell, Ramson.

*On Military Service.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Drs. Petersen and Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Three hours per week lecture and laboratory work for two terms on the Comparative Anatomy of the Human Skeleton, Fossil Man, and the Ancestral History of Man as far as it may be inferred from fossil remains.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and nine yours laboratory work per week during the first half of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology".

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work from September to the end of February of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy".

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

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| <i>Research Professor</i> | BORIS P. BABKIN |
| <i>The Joseph Morley Drake Professor</i> | |
| <i>Assistant Professor</i> | N. GIBLIN |
| <i>Lecturers</i> | {S. DWORKIN* |
| | {D. A. ROSS |
| <i>Demonstrator</i> | RHODA GRANT |

REQUIRED COURSES

1. FIRST YEAR LECTURES.
Tuesday, Thursday, Saturday, at 9 a.m. (beginning in January).
- 1P. FIRST YEAR LABORATORY.
Six hours a week, Spring Term.
2. SECOND YEAR LECTURES.
Monday, Wednesday, Friday, at 9 a.m., Autumn and Winter Terms.
- 2P. SECOND YEAR LABORATORY (Mammalian).
Eight hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

Laboratory Manuals (requisite).

Sharpey-Schafer, Experimental Physiology; Sherrington and Liddell, Mammalian Physiology.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.
- 3P. ADVANCED LABORATORY.

*On leave of absence, 1942-43.

BIOCHEMISTRY

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|---|-----------------------------------|
| <i>Professor and Chairman of the Department</i> | D. L. THOMSON |
| <i>Assistant Professors</i> | {O. F. DENSTEDT R. D. H. HEARD |
| <i>Sessional Lecturer</i> | C. GWENDOLINE TOBY |

The Department offers, in addition to the required lecture and laboratory course, a course in Endocrinology; other courses are described in the Announcement of the Faculties of Arts and Science, and of Graduate Studies and Research.

1. GENERAL PHYSIOLOGICAL CHEMISTRY:

- (a) Lectures: In the first half of the first year, Monday, Wednesday, first half of the first year.
- (b) Laboratory: Six hours weekly. This course is given in the first half of the first year

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-Book of Biochemistry", (Macmillan); Williams, "Text-Book of Biochemistry" (van Nostrand); Cameron and Gilmour, "Biochemistry of Medicine" (Churchill); Wright, "Applied Physiology" (Oxford Univ. Press). A synopsis of the laboratory course is issued by the Department.

2. ENDOCRINOLOGY

Lectures: Wednesday at 3, second year.

Text-book:—Cameron, "Recent Advances in Endocrinology" (Blakiston).

PATHOLOGY

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| <i>Strathcona Professor and Chairman of the Department</i> | G. LYMAN DUFF |
| <i>Professor</i> | L. J. RHEA |
| <i>Associate Professor</i> | THEO. R. WAUGH |
| <i>Lecturers</i> | { J. E. PRITCHARD C. L. YUILE F. W. WIGLESWORTH* |
| <i>Lecturer in Neuropathology</i> | KARL STERN |
| <i>Demonstrator</i> | H. L. FOSTER |
| <i>Sessional Demonstrator</i> | M. A. SIMON |
| <i>Fellows</i> | { R. H. MORE FRANCES MCCALL R. H. COURLAY W. E. TORESON |

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
 - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
Professor Duff.
 - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
Professor Duff, Dr. Yuile and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
 - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
Professor Duff, Professor Waugh and Lecturers.
 - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
Professor Duff, Professor Waugh and Staff.
 - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours.)
Dr. Yuile, Dr. Foster and Dr. Simon.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms.....Professor Duff.

*On military service.

- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute.....Professor Duff and Dr. Yuile.
 Montreal General Hospital.....Professor Rhea and Dr. Pritchard.
 Children's Memorial Hospital.....

Text Books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

REFERENCE BOOKS.

General:—Aschoff, Pathologische Anatomie (Gustav Fischer); Bell, Text Book of Pathology (MacMillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Oertel, Outlines of Pathology (Renouf); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafeld & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

Tumours:—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

Haematopathology:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill).

Neuropathology:—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Technique:—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders), Saphir, Autopsy Diagnosis and Technique (Hoeber).

BACTERIOLOGY AND IMMUNITY

Professor and Chairman of the

Department.....E. G. D. MURRAY

Associate Professor.....FREDERICK SMITH

Assistant Professor.....T. E. ROY*

Lecturers.....
 C. D. KELLY
 W. H. MATHEWS*
 D. FLEMING

Demonstrators.....
 D. H. STARKEY*
 N. W. McLELLAN*
 G. G. KALZ

REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

*On military service.

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Thirty-two lectures and 63 hours practical work. Third Term. Available to medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry; also to students in their third year in Arts and Science reading for the B.Sc. Honours in Bacteriology, and to Graduate Students.

COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS.**COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES.**

20 Lectures and demonstrations. First and Second Terms. Available to Medical Students who have completed two years of clinical work and satisfied the Examiners in Course 1.

COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc. (daily throughout the year; available only for Honours students in their Fourth year). 160 lectures and 852 hours practical work. (Will not be given in 1942-43.)

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, *Textbook of Bacteriology* (Appleton); R. Muir and J. Ritchie, *Manual of Bacteriology* (Oxford University Press); R. T. Hewlett and James McIntosh, *Manual of Bacteriology* (Churchill); T. J. Mackie and J. E. McCartney, *Practical Bacteriology* (Livingstone); J. W. Bigger, *Handbook of Bacteriology* (Bailliere Tindall & Cox); Hans Zinsser, *Resistance to Infectious Diseases* (Macmillan); W. W. C. Topley and G. S. Wilson, *The Principles of Bacteriology and Immunity* (Edward Arnold & Co.); W. W. C. Topley, *An Outline of Immunity* (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, *Manual of Determinative Bacteriology* (Williams & Wilkins). E. O. Jordan and W. Burrows, *Text-Book of Bacteriology* (Saunders); Frederick P. Gay, *Agents of Disease and Host Resistance* (C. C. Thomas). N. P. Sherwood, "Immunology" (Mosby Co.). H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (MacMillan Co.).

PARASITOLOGY

*Professor and Chairman of the
Department*.....T. W. M. CAMERON
Lecturers.....{H. BRUCE COLLIER
IVAN W. PARNELL*

REQUIRED COURSE

HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis. In the practical class, each student examines all the important species as well as the lesions caused by them.

Winter Term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book: Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

PUBLIC HEALTH AND PREVENTIVE MEDICINE

*Strathcona Professor and Chairman
of the Department*.....GRANT FLEMING
Associate Professor.....R. ST. J. MACDONALD
Assistant Professor.....FRANK G. PEDLEY
Lecturer (Mental Hygiene).....BARUCH SILVERMAN
Demonstrator.....R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

*On Military Service.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special field. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what it is possible to do and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study calls for individual field work by each student.

REQUIRED COURSES

1. INTRODUCTION TO PUBLIC HEALTH AND PREVENTIVE MEDICINE.
Spring term.....Professor Fleming.
2. PUBLIC HEALTH ORGANIZATION AND ADMINISTRATION. (Including related community services).
Winter term.....Professor Fleming, and Dr. Silverman.
3. MENTAL HYGIENE.
Winter term.....Dr. Silverman.

4. PRACTICE OF PREVENTIVE MEDICINE, AND COMMUNICABLE DISEASE CONTROL.
Winter term.....Professors Fleming, Macdonald and Pedley.
5. DEMONSTRATIONS. (Chandler Health Centre).
Winter term.
6. HEALTH STUDY OF A CITY OR TOWN.
To be submitted during the month of October of the final year. The student is later required to review this study with a member of the staff.

Text-books and reference books:—

*The General Field:—*Mustard; Rosenau.

*Industrial Hygiene:—*The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

*Mental Hygiene:—*The Mental Hygiene of Childhood, White.

PHARMACOLOGY AND THERAPEUTICS

Professor and Chairman of the

Department.....R. L. STEHLE

Associate Professor of

Therapeutics.....D. S. LEWIS

Assistant Professor of

Pharmacology.....K. I. MELVILLE

Lecturer in Therapeutics.....W. DE M. SCRIVER

Lecturer in Anæsthesia.....WESLEY BOURNE

*Lecturer in Pharmacology.....A. M. FRASER**

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful

*On Military Service.

clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville.

2. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

3. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods during the Autumn term.

Dr. Scriver.

4. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

- 4a. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-books in Therapeutics,* Beckman, Lyon, Reiman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

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| <i>Professor and Chairman of the Department</i> | JONATHAN C. MEAKINS |
| <i>Professor</i> | L. C. MONTGOMERY* |
| <i>Associate Professors</i> | E. H. MASON, I. M. RABINOWITCH |
| <i>Assistant Professors</i> | { C. C. BIRCHARD, J. S. L. BROWNE J. KAUFMANN, D. S. LEWIS C. F. MOFFATT, KEITH GORDON E. S. MILLS, W. DE M. SCRIVER |
| <i>Lecturers</i> | { C. R. BOURNE, G. R. BROW, D. G. CAMPBELL, NEIL FEENEY, C. W. FULLERTON, R. H. M. HARDISTY, A. T. HENDERSON, J. F. MCINTOSH, D. W. McKECHNIE, E. M. HUNTER, J. H. PALMER*, A. F. FOWLER, W. R. KENNEDY, COLIN SUTHERLAND, C. J. TIDMARSH, R. VANCE WARD |
| <i>Demonstrators</i> | { L. J. ADAMS, M. ARONOVITCH, D. BARZA, W. G. McLELLAN, J. G. MUNROE, M. NOTKIN, A. T. THOM, B. R. CUDDIHY, J. O. W. BRABANDER, HUGH BURKE, W. W. EAKIN, GUY HAMEL, C. R. JOYCE, H. E. MACDERMOT, J. F. MACIVER, D. L. MENDEL, H. N. SEGALL |
| <i>Assistant Demonstrators</i> | { J. J. DAY, M. A. HICKEY, C. B. SMITH, R. C. BENNETTS, J. G. HOWLETT*, S. ORTENBERG, S. L. RICHARDSON, F. McIVER SMITH, S. R. TOWNSEND |

PSYCHIATRY

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| <i>Clinical Professor</i> | C. A. PORTEOUS |
| <i>Clinical Professor of Neurology</i> | F. H. MACKAY |
| <i>Assistant Professor (Neurology)</i> | A. W. YOUNG |
| <i>Lecturers in Neurology</i> | { N. VINER G. E. READ |
| <i>Lecturer</i> | B. SILVERMAN |
| <i>Demonstrators</i> | { A. A. MACKAY C. H. SKITCH T. E. DANCEY MILTON GRAY |

*On military service.

DERMATOLOGY

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| <i>Clinical Professors</i> | { J. F. BURGESS L. P. EREAUX |
| <i>Lecturers</i> | { B. USHER F. KALZ |

CLINICAL THERAPEUTICS

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| <i>Associate Professor</i> | D. S. LEWIS |
| <i>Lecturers</i> | { D. GRANT CAMPBELL W. DE M. SCRIVER GUY FISK NORMAN BROWN (<i>Physio-Therapy</i>) |

Foreword on the Courses in Medicine. The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES

1. A course of University lectures on Medicine with integration of Physiology, Biochemistry, and Anatomy. This course is designed to review and correlate MEDICINE in its broadest sense in regard to etiology, diagnosis and treatment. It commences with the last term of the second year. It is given in the University Medical Building by members of the Departments of Medicine.

2. Courses of lectures will be given in Psychiatry and Therapeutics during the autumn and summer terms.

3. Clinical lectures in General Medicine. A course of clinical lectures will be delivered throughout the autumn, winter, and spring terms. The exact hour in the different institutions will be announced from time to time. These clinical lectures will be given in the Royal Victoria Hospital and the Montreal General Hospital, by Professor Meakins and Assistants.

4. This course will cover physical examination and abnormal physical signs, the methods of history-taking, and systematic description of the various systems in a logical order. Its objective will be to prepare students for subsequent clinical and bedside work. It will be given in the spring term (16 weeks) of the second year and will occupy two periods a week of two hours each, to groups of students, at the Royal Victoria Hospital and the Montreal General Hospital.

5. A course in laboratory diagnosis will be given in the spring term only. There will be two laboratory periods a week in the Medical Building. This course will be organized so as to give instruction and practice in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

7. A clinical course in Mental Medicine will be given in the autumn, winter and spring terms. This course will have the following divisions:

(a) Theatre clinics on mental hygiene, neuroses, psychoses, and border line cases given during the final year at the Montreal Neurological Institute.

(b) A certificate of one week's attendance at a Mental Hospital and the submission of three case reports. The attendance may be at any hospital approved by the department.

8. A clinical course in dermatology will be given in the autumn, winter and spring terms at the Royal Victoria and Montreal General Hospitals.....Drs. Burnett and Burgess.

9. A course in clinical therapeutics will be given in the autumn, winter, and spring terms, of one period a week, at the Royal Victoria Hospital and the Montreal General Hospital, by Professor Lewis and Dr. D. Grant Campbell.

10. PHYSIO-THERAPY. Three lectures and three periods of group instruction at times to be arranged. Drs. Lewis, Brown and Fisk.

11. In the student's final year he becomes virtually a member of the Externe Staff of the teaching hospitals. He may elect to be allotted to the various services in the hospital in the capacity of clinical clerk, participating in the keeping of records, diagnosis, and treatment of patients in the wards and Out-Patient Department, and the laboratory duties. He will accompany the physicians on their daily rounds, attend autopsies, and report on them to his teachers.

MEDICAL JURISPRUDENCE AND TOXICOLOGY

A series of twenty lectures. Professor Rabinowich.

MEDICAL JURISPRUDENCE: *Definition and scope:* obligations of the physician as a citizen. Ethics and Law in the conduct of medical practice. *Witnesses:* Ordinary. Expert. Skilled. *Medical Evidence:* Documentary. Oral. Experimental. Professional secrecy. Privileged communications. Rules regarding medical witnesses in Court. *Legal aspects of physical examinations.* *Malpractice:* Criminal. Civil, Negligence. Recklessness. "Reasonable care and judgment." *Identification of living persons:* Scars. Tattoo marks. Hair dyes. Dactylography. *Wounds:* Types. Ante- and post-mortem examination. Evidence furnished by wounds—Accident. Suicide. Murder. *Medico-legal aspects of blood examinations.* *Death:* Definitions. Conditions simulating death. Signs of death. Medico-legal forms of death. Estimation of length of time by post-mortem phenomena—Cooling. Hypostasis. Rigor. Decomposition. Modifying factors. Adipocere. Mummification. Medico-legal aspects of embalming and cremation. Presumption of death. Presumption of survivorship. Identification of the dead—Age. Sex. Stature. Teeth. Certification. *Medico-legal relations of sexual functions:* Impotence. Sterility. *Pregnancy.* *Abortion.* Natural. Criminal. Justifiable. *Birth:* Certification. Legitimacy. Paternity. *Infanticide.* Necessary proof of live birth. *Sexual offenses:* Rape and defloration. Examination of victim and accused. Unnatural offenses. *Mental disorders:* Testamentary capacity. Criminal responsibility. Certification. Medico-legal aspects of *alcoholism.* Criteria of drunkenness.

TOXICOLOGY: *Occurrence of poisoning:* Foods. Industrial. Clothes and cosmetics. Patent medicines. Therapeutic. *Classification of poisons.* *Modes of action.* Modifying factors—Mode of entry. Amount. Age. Habit. Tolerance. Idiosyncrasy. Physical condition of victim. *Diagnosis of acute poisoning:* Similarity between poisoning and disease. Rules for diagnosis. *Treatment:* General. Specific. *Medico-legal aspects of poisoning*—Accident. Suicide. Murder.

References:—Principles and Practice of Medical Jurisprudence—Taylor. Legal Medicine and Toxicology—Webster. Text-book of Forensic Medicine and Toxicology—Buchanan. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Sydney Smith. Forensic Medicine and Toxicology—F. J. Smith.

ELECTIVE COURSES

12. **PHYSIO-THERAPY (PRACTICAL):** A course of lectures and demonstrations dealing more fully with the application of physical methods to the treatment of disease.

13. A course of lectures on recent advances in Medicine and its allied branches is given once a week throughout the session.

Elective courses for advanced work are offered in the following subjects: Neurology, psychiatry, dermatology, clinical pathology, cardiology, hæmatology, diseases of the lungs, gastro-intestinal diseases, et cetera. The details of these elective courses will be announced at the beginning of each session.

TEXT AND REFERENCE BOOKS

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis" Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry",

Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; Clendenen, "Methods of Treatment"; "Pharmacopoea of the Teaching Hospitals".

Psychiatry:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology:—Walker "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

PÆDIATRICS

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| Professor and Chairman of the Department..... | R. R. STRUTHERS |
| Associate Professor..... | S. GRAHAM ROSS |
| Assistant Professors..... | (A. GOLDBLOOM L. LINDSAY A. K. GEDDES* ALAN ROSS* JESSIE BOYD SCRIVER H. P. WRIGHT*) |
| Lecturers..... | (E. M. WORDEN S. J. USHER C. STEWART S. I. DOUBILET J. H. O'NEILL S. B. SHAPIRO F. SHIPPAM) |
| Demonstrators..... | |
| Sessional Demonstrators..... | |
| Assistant Demonstrators..... | B. BENJAMIN |

REQUIRED COURSES

1. LECTURE COURSE: A series of thirty-five lectures on pædiatrics. Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.
Professor Struthers and Assistants.
2. INFECTIOUS DISEASES: A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital.
3. DISEASES OF THE NEW BORN: Royal Victoria Montreal Maternity Pavilion. A weekly clinical demonstration to groups of students of the Third Year.
4. CLINICAL PÆDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including:—
(a) General Pædiatrics—Children's Memorial Hospital.

*On Military Service.

- (b) Normal Infant Feeding, Care and Development and Preventive Pædiatrics—Montreal Foundling and Baby Hospital. Child Welfare Association Clinics.
- (c) Infectious Diseases—Alexandra Hospital.

Text-books: Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics"; Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children."

Reference Books: Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; "Abt's Pædiatrics" (8 volumes); Kanner, "Child Psychiatry"; Marriott and Jeans, "Infant Nutrition".

NEUROLOGY AND NEUROSURGERY

| | |
|---|--|
| <i>Professor and Chairman of the Department</i> | WILDER PENFIELD |
| <i>Associate Professor</i> | WILLIAM CONE |
| <i>Clinical Professor (Neurology)</i> | F. H. MACKAY |
| <i>Assistant Professors of Neurology</i> | { ARTHUR W. YOUNG DONALD McEACHERN* |
| <i>Assistant Professor of Neuropsychiatry</i> | MIGUEL PRADOS |
| <i>Assistant Professor of Neurosurgery</i> | ARTHUR ELVIDGE |
| <i>Assistant Professor of Radiology</i> | A. E. CHILDE |
| <i>Lecturer in Neurological Electrography</i> ... | HERBERT JASPER |
| <i>Lecturers in Neurology</i> | { JOHN KERSHMAN F. L. McNAUGHTON J. N. PETERSEN NORMAN VINER |
| <i>Lecturer in Neuropathology</i> | KARL STERN |
| <i>Demonstrator (Electrography)</i> | ANDRE CIPRIANI |
| <i>Assistant Demonstrators</i> | { PETER LEHMAN THEODORE RASMUSSEN S. P. HUMPHREYS* O. W. STEWART* T. S. BENNETT CLAUDE BERTRAND EDGAR LOTSPEICH G. K. MORTON W. D. ROSS B. STROWGER R. B. TURNBULL |
| <i>Research Fellows</i> | |

*On Military Service.

The Department of Neurology and Neurosurgery co-operates intimately with the Departments of Medicine, Surgery and Pathology in their regular teaching.

In addition the following elective courses are offered:

1. Case Presentations. Diseases of the Nervous System.

Outpatient Department, Royal Victoria Hospital, Tuesdays at 3.00 p.m.

Professor Penfield.

2. Fundamentals of Neurology (Neuro-Anatomy, Neuro-Physiology, Biological Chemistry and Roentgenology).

Neurological Institute, Tuesdays at 5 p.m.

Drs. Petersen, McEachern, Jasper, McNally, Kershman,
McNaughton, Stern and Prados.

3. Introduction to the study of Psychological Medicine. 5 lectures. Neurological Institute.

Dr. Prados.

4. Advanced Neuroanatomy (Anatomy 4). Construction of Model of Human Brain. Neurological Institute. Monday and Tuesday 8-10 p.m.

Drs. McNaughton, and Kershman.

SURGERY

Professor and Chairman of the

Department of Surgery..... C. K. P. HENRY

Professors..... { F. B. GURD
F. E. McKENTY

Associate Professor..... J. C. ARMOUR

Assistant Professors..... { R. R. FITZGERALD, J. W. G. JOHNSON
C. A. McINTOSH*, L. H. McKIM*,
G. GAVIN MILLER, D. E. ROSS,
A. ROSS*, A. J. STEWART,
H. L. DAWSON, G. A. FLEET,
A. L. WILKIE, H. M. ELDER*

Lecturers..... { C. LUKE*, S. J. MARTIN*,
H. F. MOSELEY, P. G. ROWE,
S. G. BAXTER, H. G. PRETTY,
F. J. TEES

Demonstrator..... E. M. COOPER

Sessional Demonstrators..... { C. J. F. PHILLIPPS-WOOLLEY
G. A. P. HURLEY

Assistant Demonstrators..... { F. D. ACKMAN, H. A. BAXTER,
E. H. CAYFORD, H. S. DOLAN,
G. D. LITTLE, C. K. McLEOD,
H. GRAHAM ROSS, J. C. SUTTON
A. M. VINEBERG, G. A. HOLLAND,
D. R. WEBSTER*

*On military service.

UROLOGY

| | |
|--------------------------------------|--------------------------------------|
| <i>Professor</i> | F. S. PATCH |
| <i>Clinical Professors</i> | { R. E. POWELL E. S. SMITH |
| <i>Lecturer</i> | M. I. SENG |
| <i>Demonstrators</i> | { A. B. HAWTHORNE A. M. J. TANNEY |
| <i>Assistant Demonstrators</i> | { M. RATNER R. G. REID* |

ORTHOPAEDIC SURGERY

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|--------------------------------------|--|
| <i>Clinical Professors</i> | { J. A. NUTTER W. G. TURNER |
| <i>Lecturers</i> | { W. J. PATTERSON* N. J. WILLIAMSON |
| <i>Assistant Demonstrators</i> | { J. G. SHANNON* J. G. PETRIE* |

ANAESTHESIA

| | |
|-------------------------------------|---|
| <i>Lecturers</i> | { WESLEY BOURNE M. D. LEIGH C. C. STEWART F. A. H. WILKINSON |
| <i>Assistant Demonstrator</i> | A. M. TORRIE |

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

REQUIRED COURSES

Second Year. Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*On military service

1. A lecture course during the spring term.
2. Amphitheatre clinics, alternately in the Montreal General and Royal Victoria Hospitals, two days a week, during the term.
3. Group classes in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

Third Year. The student comes into a more intimate contact with the patient, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, assists at operations, etc.

1. Amphitheatre clinics and demonstrations in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
2. Group ward classes.
3. Case reporting. Patients are allotted to students who act as reporters, dressers, assistants at operations, etc.
4. Clinico-pathological conferences, one period a week, jointly with the Department of Pathology.
5. A course in applied anatomy, jointly with the Department of Anatomy, ten periods.

Fourth Year. During the surgical trimester of this year, the student devotes his entire time to surgery and its allied specialties.

1. Amphitheatre clinics and demonstrations at the Montreal General and Royal Victoria Hospitals.
2. Group ward classes.
3. Case reporting.
4. Clinico-pathological conferences, jointly with the Department of Pathology.
5. A course of lectures in General Surgery will be given, one weekly, during the year.

SURGICAL DISEASES OF CHILDREN. During the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, instruction in the surgical diseases of children is given by means of amphitheatre clinics and group ward classes.

ORTHOPÆDIC SURGERY.

Fourth Year. A short course of clinical lectures.

Ward classes are given once a week during the surgical trimester, of the Fourth Year.

UROLOGY.

Fourth Year. A short course of clinical lectures.

Ward classes are given twice weekly during the surgical trimester of the Fourth Year.

Clinico-pathological conferences, jointly with the Department of Pathology, once a week during the surgical trimester of the Fourth Year.

Instruction in venereal diseases is given in the out-patient department, once a week, during the surgical trimester.

ANAESTHESIA. Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery."

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy."

4. *Fractures and Dislocations:* Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations." Magnuson's "Fractures"; Stimson's "Manual of Fractures and Disloca-

itons"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's Fractures and Dislocations.

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations."

OBSTETRICS AND GYNÆCOLOGY

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|--------------------------------------|------------------|
| <i>Professor and Chairman of the</i> | |
| <i>Department</i> | J. R. FRASER |
| <i>Associate Professor</i> | A. D. CAMPBELL |
| <i>Clinical Professor</i> | J. W. DUNCAN |
| <i>Assistant Professor</i> | W. A. G. BAULD |
| <i>Lecturers</i> | J. S. HENRY |
| | P. J. KEARNS |
| | ELEANOR PERCIVAL |
| | G. C. MELHADO |
| | IVAN PATRICK |
| <i>Sessional Lecturers</i> | N. W. PHILPOTT* |
| | GEORGE STREAN |
| | G. T. ALTIMAS |
| <i>Demonstrators</i> | DOUGLAS GURD |
| | K. T. MACFARLANE |
| | C. V. WARD* |
| <i>Assistant Demonstrator</i> | G. B. MAUGHAN* |
| <i>A. A. Brown Fellow</i> | F. D. JOHNSON* |
| <i>Teaching Fellow</i> | W. R. FOOTE |

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Each student serves in the ante-natal clinics in the city.

*On military service.

OBSTETRICS

REQUIRED COURSES

1. An introductory course of sixteen lectures on the fundamental principles of the subject dealing with the Anatomy, Embryology, Physiology and Pathology of the Pelvic Organs.
Medical Building. One lecture a week—Spring Term.

Professor Fraser.

2. A systematic course of lectures is given once weekly throughout the entire Third Year at the University. This lecture course is a continuation of the introductory series of lectures begun in the last term of the Second Year.
3. Clinical instruction during the year in the Royal Victoria Montreal Maternity Pavilion, including the conduct of labour and the puerperium in case room and wards, together with ante-natal care in the out-patient department. Autumn, Winter and Spring Terms.
4. Special courses in obstetrical palpation and on the manikin daily throughout the session with the aid of models, diagrams, lantern slides and moving pictures. Autumn, Winter and Spring Terms
5. Clinical Conference once weekly in the theatre throughout the year for the entire class, where living cases are presented illustrating the more important obstetrical conditions.
Autumn, Winter and Spring Terms.
6. Group Instruction. The teaching in the final year is conducted entirely by senior teachers.

Small groups of students are instructed in the Wards, Case Rooms and Out-patient Department in methods of examination, problems of delivery and the principles of treatment.

7. Lecture Demonstrations in the theatre are held daily during each term on the following subjects:—
 - A. Normal Labour.....Dr. Melhado.
 - B. Puerperal Infection.....Professor A. D. Campbell.
 - C. Hæmorrhages of Pregnancy. Labour and the Puerperium.
Professor Duncan.
 - D. Toxæmia of Pregnancy.....Dr. Foote.
 - E. Dystocia.....Professor Bauld.
8. Care of the New-born. Drs. Struthers & Ross.

The clinical demonstration once weekly throughout the year by the Pædiatrician in charge of the new-born, is intended to provide a clear and concise survey of the physiology and pathology of the new-born. Particular emphasis is laid on infant feeding and neonatal disease.

9. The Staff Conference held once a week is arranged to give a complete account of the work of the hospital.

NOTE: Rooms are provided in the new pavilion where the students may reside, in groups of six, for a period of two weeks. During his period of internship the student will under supervision deliver patients both in hospital and at their homes, and will undertake the medical care of mother and child during the puerperium.

GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.
2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, throughout the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Professor Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

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| (1) De Lee | Principles and Practice of Obstetrics. |
| (2) Stander | Text book on Obstetrics. |
| (3) Ten Teachers | Midwifery. |
| (4) Harper | Clinical Obstetrics. |
| (5) Bourne | Synopsis of Midwifery and Gynæcology. |
| (6) Johnson, R. W. | Text book of Midwifery. |
| (7) Bland | Practice of Obstetrics. |
| (8) Miller, J. | Manual of Obstetrics. |
| (9) Appleton | Obstetrical and Gynæcological Monographs. |
| (10) Peterson | Demonstration Course in Obstetrics. |
| (11) Irving | Text book on Obstetrics. |
| (12) Beck | Obstetrical practice. |
| (13) Adair | Obstetrics. |

GYNÆCOLOGY.

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| (1) Graves | Text book of Gynæcology. |
| (2) Curtis | Text book of Gynæcology and System of Gynæcology and Obstetrics. |

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| (3) Ten Teachers | Diseases of Women. |
| (4) Monroe Kerr | Gynæcology. |
| (5) Blair Bell | Principles of Gynæcology. |
| (6) Kelly, Howard | Text book of Gynæcology. |
| (7) Goodall | Puerperal Infection. |
| (8) Crossen | Gynæcology. |

OPHTHALMOLOGY

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|--------------------------------------|----------------------------------|
| <i>Professor and Chairman of the</i> | |
| <i>Department.....</i> | J. A. MACMILLAN |
| <i>Assistant Professor.....</i> | STUART RAMSEY |
| <i>Lecturers.....</i> | { K. B. JOHNSTON J. ROSENBAUM |
| <i>Assistant Demonstrator.....</i> | B. ALEXANDER |

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses:—

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....Professor MacMillan and members of the Staff.

2. LECTURE DEMONSTRATIONS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours.....Professor MacMillan.

3. CLINICAL OPHTHALMOLOGY.

In the Final Year, the entire available time is devoted to an intensive study of the ocular problems that are of greatest moment in general practice—the external diseases of the eye, and the main ophthalmoscopic findings in systemic disorders and affections of

the nervous system; with practical lessons in ophthalmic nursing and first aid. This work is conducted in the ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals.

Professor MacMillan and Staff.

Text-books:—May, Gifford, Parsons.

Reference books:—Duke-Elder.

OTO-LARYNGOLOGY

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|---|-----------------|
| <i>Assistant Professor and Chairman of the Department</i> | D. H. BALLON |
| <i>Assistant Professor</i> | G. E. HODGE |
| <i>Lecturers</i> | W. J. McNALLY |
| | R. P. WRIGHT* |
| | K. O. HUTCHISON |
| | G. E. TREMBLE |
| <i>Assistant Demonstrators</i> | A. O. FREEDMAN |
| | G. E. M. HILTON |
| | E. A. STUART |
| | J. W. GERRIE |
| | F. W. SHAVER |
| | E. E. SCHARFE* |

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre-and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

*On military service.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

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|---|--|
| <i>Associate Professor and Chairman of the Department</i> | W. L. RITCHIE |
| <i>Associate Professor</i> | CARLETON B. PEIRCE |
| <i>Assistant Professors</i> | { E. C. BROOKS A. E. CHILDE J. W. MCKAY |
| <i>Demonstrators</i> | { M. BEATON J. BOUCHARD T. E. W. HARDING |

REQUIRED COURSES

FIRST YEAR. In the first year in the Spring term a series of 6 demonstrations are given to the class in Anatomy. In this series film studies of bones, lungs, heart, and other parts of the anatomy are shown and fluoroscopic demonstrations of movement in joints, of the diaphragm and heart.

SECOND YEAR. In the spring term, demonstrations are given to small groups of students on the use of the fluoroscope as a method of examination, and, in addition, a short course of introductory lectures is delivered dealing with the principles and application of roentgenology to Medicine.

THIRD YEAR. All terms. Two conferences a week are held, each of an hour's duration, in which is covered the direct application and interpretation of roentgenology to the problems of Medicine, Surgery, Obstetrics and other clinical specialties.

FOURTH YEAR. All terms. Students reporting for Medicine, Surgery and Gynaecology are required to attend the Tumour Conferences held in the different teaching hospitals, and, in addition, a course of seven clinical lectures is delivered, designed to review the important features of roentgenology in the practice of Medicine.

At the teaching hospitals of McGill Medical School, opportunities are afforded for graduates to fulfil the requirements of the Specialty Board of Radiology held under the jurisdiction of the Royal College of Physicians and Surgeons of Canada and of the American Board of Radiology.

RESEARCH INSTITUTE OF ENDOCRINOLOGY

Director.....J. B. COLLIP

Lecturers.....{ROBERT L. NOBLE
A. H. NEUFELD

Fellow.....HECTOR MORTIMER

This Institute, established in 1941 and housed in the West Wing of the Medical Building, will be devoted to research in the fundamentals of endocrinology. It will not be an undergraduate teaching department, but will be closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine, and will afford facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute will be under the direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble will be the senior assistant in the physiological branches of the subject and Dr. A. H. Neufeld will be the senior assistant in the biochemical branches.

Inquiries concerning the Institute should be addressed to the Director.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).
3. **COURSE FOR DIPLOMA IN PUBLIC HEALTH:** This course is specially designed as a thorough training for medical men in public health.

The duration of the course is one academic year.

The curriculum is as follows:—

- (a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.
- (b) A course covering health organization, legislation and administration.

- (c) A course on vital statistics and records, including practical work.
- (d) Courses in bacteriology and parasitology, including laboratory work.
- (e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

BUILDINGS

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Foundling Division, Children's Memorial Hospital.

Alexandra Hospital for Infectious Diseases.

Verdun Protestant Hospital.

Royal Edward Institute.

The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. During 1941 it cared for 16,637 cases, while in its outdoor department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. During the year 1941 the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæco'logical section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In 1941 there were 12,200 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for the year 1941 was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in 1941, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of paediatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies during the year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE MONTREAL FOUNDLING AND BABY HOSPITAL has been taken over by the Children's Memorial Hospital, and the two institutions will be used as before for the teaching of students. The Foundling Division affords a large amount of clinical material and gives special facilities for instruction in child welfare and infant feeding. There are 75 beds. Resident Physicians, 2.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in 1941, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

THE ROYAL EDWARD INSTITUTE in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian.....R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 53,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian.....W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("*Bibliotheca Osleriana*," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "*Bibliotheca Prima*," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its *Incunabula*, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

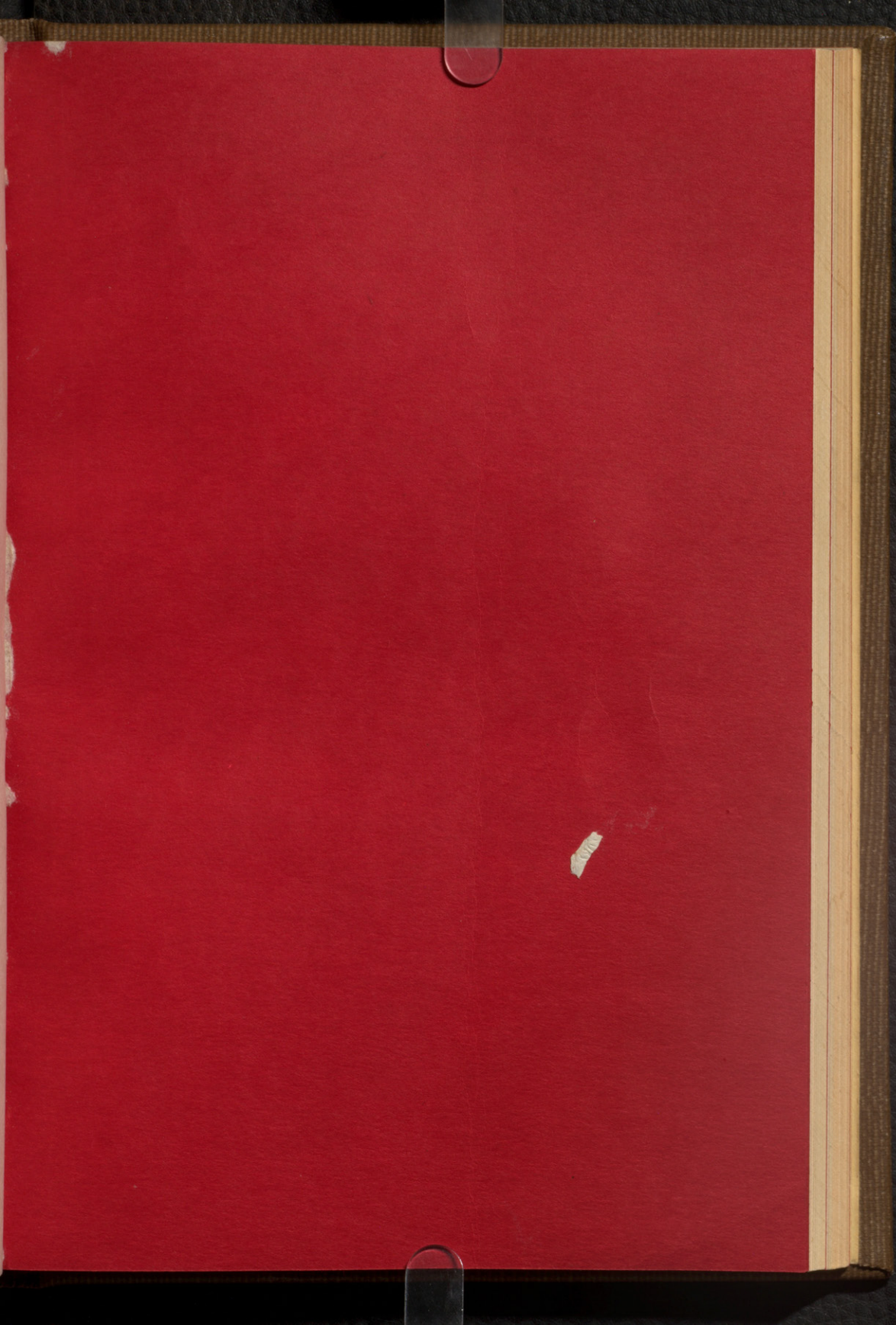
There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.



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McGILL UNIVERSITY

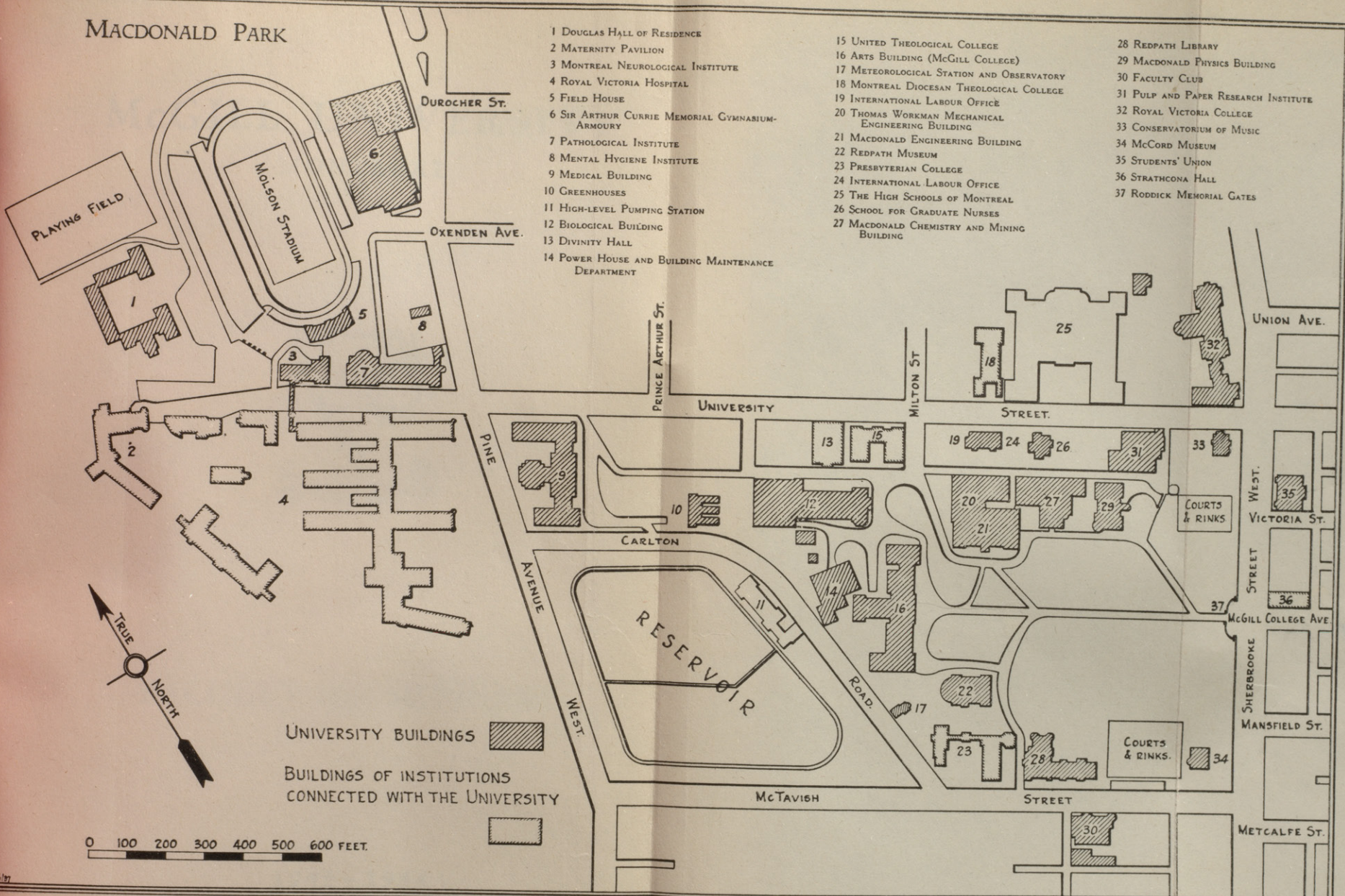
MONTREAL



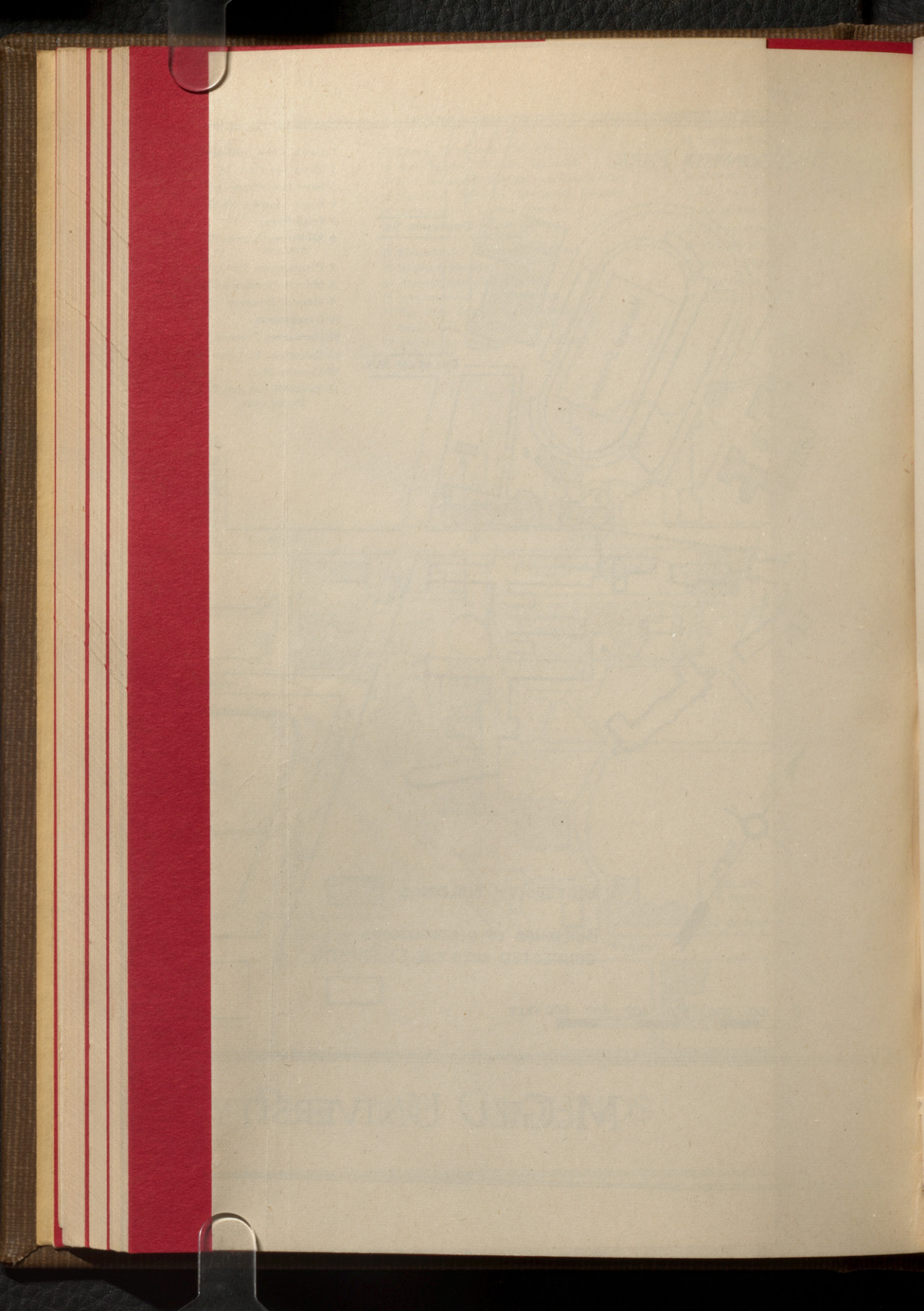
FACULTY OF MEDICINE

1943 - 1944

MACDONALD PARK



McGILL UNIVERSITY—PLAN OF GROUNDS



McGILL UNIVERSITY

MONTREAL

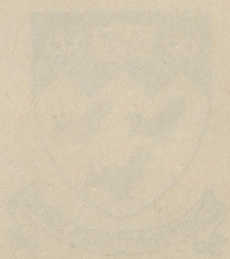


FACULTY OF MEDICINE

1943 - 1944

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1961-1962

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McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

| | |
|--|---|
| <i>Principal</i> | F. CYRIL JAMES, Ph.D., D.C.L. |
| <i>Dean of the Faculty</i> | J. R. FRASER, M.D., C.M., F.R.C.S. (C), F.A.C.S., F.R.C.O.G. |
| <i>Secretary of the Faculty</i> | J. F. McINTOSH, B.A., M.D., C.M. |
| <i>Bursar</i> | W. BENTLEY, C.G.A., A.C.I.S. |
| <i>Registrar</i> | T. H. MATTHEWS, M.A. |
| <i>University Librarian</i> | GERHARD R. LOMER, M.A., Ph.D., F.L.A. |
| <i>Honorary Medical Librarian</i> | R. L. STEHLE, M.A., Ph.D. |
| <i>Osler Librarian and Director of the Museum of the History of Medicine</i> | W. W. FRANCIS, A.B., M.D. |
| <i>Assistant Secretary of the Faculty</i> | MISS G. D. MUDGE. |

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office. The announcement also contains the names of members of the staff on active service.

THE UNIVERSITY OF MICHIGAN

LIBRARY OF THE UNIVERSITY OF MICHIGAN

ANN ARBOR, MICHIGAN

1911

THE UNIVERSITY OF MICHIGAN

LIBRARY OF THE UNIVERSITY OF MICHIGAN

ANN ARBOR, MICHIGAN

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1911

THE UNIVERSITY OF MICHIGAN

LIBRARY OF THE UNIVERSITY OF MICHIGAN

ANN ARBOR, MICHIGAN

FACULTY OF MEDICINE

The one hundredth and eleventh session of the Faculty will open on September 8th, 1943, for students of the 1st year.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 7th, 1943. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

UNIVERSITY FEES

1. REGULAR STUDENTS.

| | |
|--|----------|
| Annual fee for British students..... | \$375.00 |
| By instalments: each of two instalments..... | 190.00 |
| Annual fee for Non-British students..... | 475.00 |
| By instalments: each of two instalments..... | 240.00 |
2. REPEATING A YEAR.

| | |
|--|--------|
| British students repeating a year pay..... | 200.00 |
| Non-British students repeating a year pay..... | 250.00 |
3. PARTIAL STUDENTS.
Qualified students may be admitted as partials to one or more courses on payment of special fees.
4. AD EUNDEM FEE.
Students entering any year above the first pay a special *ad eundem* fee of..... \$10.00
5. DIPLOMA IN PUBLIC HEALTH FEES.
The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.
6. CAUTION MONEY.
Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session..... \$10.00

STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

| | |
|-------------------------------|---------|
| Regular students (men)..... | \$11.00 |
| Regular students (women)..... | 9.00 |
| Partial students..... | 5.00 |

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 7th, to Thursday, September 9th, inclusive,

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

During war-time acceleration of the course, four annual fees will continue to be paid. The dates when fees are due and payable will remain unchanged.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Every effort is made by the University to obtain satisfactory microscopes for the students at a preferred cost, but this cannot be guaranteed.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital.

OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into two terms (of eighteen weeks) in the first session and into three terms in the following three sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

ACCELERATION OF COURSE AS A WAR-TIME MEASURE:

At the request of the Federal Government of Canada the medical course has been accelerated as a "war measure", as long as this appears to be necessary, in order that medical students may graduate at an earlier date. This is accomplished by the introduction of summer terms, reducing the normal summer vacation periods to a minimum. Each summer session will accelerate the graduation of the class which takes it by approximately three months. According to this plan a class will be admitted in September of each year. A student entering at this time will complete his lectures and examinations in July three years later and at the end of the fourth year will have completed his internship and will be eligible for his license examinations. This plan is being carried out for classes admitted previous to September 1943. The Department of National Defense has made arrangements to enlist senior Canadian students in Medicine into the Canadian Army (Active) in conjunction with this scheme for acceleration of the course. Details of this scheme may be obtained on application to the office of the Dean.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION:

Anatomy (Embryology), Biochemistry, Histology, Physiology.

SECOND SESSION:

Physiology, Pharmacology, General Pathology, Bacteriology, Immunology, Parasitology, Laboratory, Diagnosis, Medicine, Surgery, Obstetrics.

THIRD SESSION:

Special Pathology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, Medical Jurisprudence, Radiology.

FOURTH SESSION:

Medicine,* Surgery,* Obstetrics and Gynaecology, Paediatrics, Ophthalmology, Otolaryngology.

*In these subjects are included the following—

Medicine—Dermatology, Psychiatry, Neurology, Clinical Therapeutics, Medical Radiology.

Surgery—Orthopaedics, Urological Surgery, Neurosurgery, Anaesthesia, and Surgical and Therapeutic Radiology.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology, Pathology, Public Health, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Endocrinology, Immunology, Medical Jurisprudence, Ophthalmology, Otolaryngology, and examinations preliminary to the final examinations in Anatomy, Physiology, Public Health, Pathology, Medicine (including Therapeutics and Psychiatry), Surgery, Obstetrics and Gynaecology and Paediatrics.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major

examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such a subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in

examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that not more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The first Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology and Paediatrics, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time, if in the opinion of his instructors he is incompetent.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

- A=Excellent
- B=Good
- C=Fair
- D=Doubtful
- E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 491.)

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right

of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, 336 8th Ave. W., Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this

University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

Robert Reford Professor and

Chairman of the Department . . . C. P. MARTIN

Associate Professor of Histology . . . H. SELYE

Assistant Professor of Anatomy . . . D. S. FORSTER

Assistant Professor of Histology . . . C. P. LEBLOND

Demonstrators in Anatomy { E. W. WORKMAN
G. PERRIGARD

Demonstrators in Histology { E. W. WORKMAN
S. H. LANE
Mrs. S. FRIEDMAN

REQUIRED COURSES

1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Fraser and Robbins, Larsell, Ramson.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Drs. Petersen and Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and nine hours laboratory work per week during the first half of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology".

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy".

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

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|---|------------------------------|
| <i>Joseph Morley Drake Professor and Chairman of the Department</i> | H. E. HOFF |
| <i>Research Professor</i> | B. P. BABKIN |
| <i>Associate Professor</i> | N. GIBLIN |
| <i>Lecturers</i> | { S. DWORKIN RONALD GRANT |
| <i>Demonstrator</i> | RHODA GRANT |

REQUIRED COURSES

1. FIRST YEAR LECTURES.
Tuesday, Thursday, Saturday, at 9 a.m. (beginning in January).
- 1P. FIRST YEAR LABORATORY.
Nine hours a week, Spring Term.
2. SECOND YEAR LECTURES.
Monday, Wednesday, Friday, at 9 a.m., Autumn and Winter Terms.
- 2P. SECOND YEAR LABORATORY.
Six hours a week. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.
- 3P. ADVANCED LABORATORY.

BIOCHEMISTRY

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| <i>Professor and Chairman of the</i> | |
| <i>Department</i> | D. L. THOMSON |
| <i>Assistant Professors</i> | {O. F. DENSTEDT |
| | {R. D. H. HEARD |
| <i>Sessional Lecturer</i> | H. SOBEL |

COURSES OFFERED IN BIOCHEMISTRY

FIRST YEAR.

General Physiological Chemistry. 50 lectures and 100 hours laboratory work, in the second and third quarters of the first year.

Dr. Thomson.

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill).

SECOND YEAR.

Nutrition, 10 lectures, in the first term of the second year.

Dr. Thomson.

Endocrinology. 25 lectures, from October to April in the second year.

Dr. Heard.

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.

PATHOLOGY

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| <i>Strathcona Professor and Chairman of the Department</i> | G. LYMAN DUFF |
| <i>Professor</i> | L. J. RHEA |
| <i>Associate Professor</i> | THEO. R. WAUGH |
| <i>Assistant Professor of Pathology</i> | C. Y. YUILE |
| <i>Lecturers</i> | { J. E. PRITCHARD F. W. WIGLESWORTH* |
| <i>Lecturer in Neuropathology</i> | KARL STERN |
| <i>Demonstrators</i> | { H. L. FOSTER M. B. MACKENZIE |
| <i>Sessional Demonstrators</i> | { M. A. SIMON B. L. NEWTON |
| <i>Fellows</i> | { E. G. HINDS HARRY STARR |

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
 - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
Professor Duff.
 - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
Professor Duff, Dr. Yuile and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
 - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
Professor Duff, Professor Waugh and Lecturers.
 - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
Professor Duff, Professor Waugh and Staff.
 - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours.)
Dr. Yuile, Dr. Foster and Dr. Simon.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms.....Professor Duff.

*On military service.

- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute.....Professor Duff and Dr. Foster.
 Montreal General Hospital..Professor Rhea and Dr. Pritchard.
 Children's Memorial Hospital.....

Text Books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

REFERENCE BOOKS.

General:—Aschoff, Pathologische Anatomie (Gustav Fischer); Bell, Text Book of Pathology (MacMillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Oertel, Outlines of Pathology (Renouf); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafield & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

Tumours:—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

Haematopathology:—Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill).

Neuropathology:—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Technique:—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber).

BACTERIOLOGY AND IMMUNITY

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|-------------------------------------|-------------------|
| <i>Professor and Chairman</i> | E. G. D. MURRAY |
| <i>Associate Professor</i> | FREDERICK SMITH |
| <i>Assistant Professors</i> | { T. E. ROY* |
| | { C. D. KELLY |
| | { D. S. FLEMING |
| <i>Lecturer</i> | W. H. MATHEWS* |
| <i>Demonstrators</i> | { D. H. STARKEY* |
| | { N. W. McLELLAN* |
| | { G. G. KALZ |

REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

*On military service.

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Three lectures and 6 hours laboratory work a week. First term.

COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS.

COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES.

Two lectures and demonstrations a week. Second term.

COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc.

Six lectures and 12 hours laboratory work a week throughout the year.

(Full details of the courses can be obtained by application to the Registrar).

Text-books.—Hans Zinsser and G. Bayne-Jones, *Textbook of Bacteriology* (Appleton); R. Muir and J. Ritchie, *Manual of Bacteriology* (Oxford University Press); R. T. Hewlett and James McIntosh, *Manual of Bacteriology* (Churchill); T. J. Mackie and J. E. McCartney, *Practical Bacteriology* (Livingstone); J. W. Bigger, *Handbook of Bacteriology* (Bailliere Tindall & Cox); Hans Zinsser, *Resistance to Infectious Diseases* (Macmillan); W. W. C. Topley and G. S. Wilson, *The Principles of Bacteriology and Immunity* (Edward Arnold & Co.); W. W. C. Topley, *An Outline of Immunity* (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, *Manual of Determinative Bacteriology* (Williams & Wilkins); E. O. Jordan and W. Burrows, *Text-Book of Bacteriology* (Saunders); Frederick P. Gay, *Agents of Disease and Host Resistance* (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, *A Text-book of Medical Bacteriology* (W. Heinemann, Ltd.).

PARASITOLOGY

Professor and Chairman of the

Department.....T. W. M. CAMERON

Lecturer.....IVAN W. PARNELL*

REQUIRED COURSE

SECOND YEAR.

- 2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis. In the practical class, each student examines all the important species as well as the lesions caused by them.

*On Military Service.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book:—Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

PUBLIC HEALTH AND PREVENTIVE MEDICINE

Strathcona Professor and Chairman
of the Department.....

Associate Professor and Acting

Chairman.....R. ST. J. MACDONALD

Assistant Professor.....FRANK G. PEDLEY

Lecturer (Mental Hygiene).....BARUCH SILVERMAN

Demonstrator.....R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special fields. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child, industrial hygiene and mental hygiene.

The course in Mental Hygiene, included in the teaching of the Department of Public Health and Preventive Medicine, attempts to give the student an understanding of what it is possible to do and of what is being done in the way of preventing nervous and mental diseases, delinquency and crime, and social failure. This implies a knowledge of what is normal in the way of behaviour responses at the different stages of the individual's development; of how we may recognize and deal with significant deviations from the average response; the factors underlying individual success and failure; the place and the means of introducing mental health principles into home, school, social and industrial situations.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the

School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study calls for individual field work by each student. This requirement has been waived, however, for the duration of the accelerated course, and has been replaced by a practical problem in public health and preventive medicine on which each student is asked to report.

REQUIRED COURSES

FIRST YEAR.

1A. *Public Health*—3 lectures:—Development of the modern public health program, and results; problems of public health and medical care. Professor Macdonald and Professor Pedley.

1B. *Mental Hygiene*—2 lectures:—Introduction. Dr. Silverman.

SECOND YEAR.

2A. *Public Health Organization*—5 lectures:—International, national, local and voluntary health organization.

Professor Macdonald and Professor Pedley.

2B. *Mental Hygiene*—4 lectures:—Relation to preventive medicine; mental disorders, causes and prevention; community organization and facilities. Dr. Silverman.

THIRD YEAR.

3A. *Hygiene*—11 lectures:—Maternal, Infant, Pre-School, School and Industrial Hygiene.

Professor Macdonald, Professor Pedley and Dr. Ward.

3B. *Mental Hygiene*—12 lectures. Dr. Silverman.

3C. *Epidemiology and Vital Statistics*—7 lectures.

Professor Macdonald and Professor Pedley.

3D. *Sanitation*—6 lectures. Professor Macdonald.

3E. *Preventive Medicine, Demonstrations*—6 periods

Chandler Health Centre.

Text-books and reference books:—

The General Field—Mustard; Rosenau.

Industrial Hygiene—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene—The Mental Hygiene of Childhood, White.

PHARMACOLOGY AND THERAPEUTICS

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|--------------------------------------|------------------|
| <i>Professor and Chairman of the</i> | |
| <i>Department.....</i> | R. L. STEHLE |
| <i>Associate Professor of</i> | |
| <i>Therapeutics.....</i> | D. S. LEWIS |
| <i>Assistant Professor of</i> | |
| <i>Pharmacology.....</i> | K. I. MELVILLE |
| <i>Lecturer in Therapeutics.....</i> | W. DE M. SCRIVER |
| <i>Lecturer in Anaesthesia.....</i> | WESLEY BOURNE |
| <i>Lecturer in Pharmacology.....</i> | A. M. FRASER* |

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

- 1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Spring Term supplemented by one conference and one demonstration a week.

The conference groups are limited to four students each.

Professors Stehle and Melville.

- 1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Spring Term.

Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods. Dr. Scriver.
- 3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

*On Military Service.

- 3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-books in Therapeutics,* Beckman, Lyon, Reiman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

Professor and Chairman of the

Department.....JONATHAN C. MEAKINS*

Acting Chairman of the

Department.....E. S. MILLS

Professor.....L. C. MONTGOMERY*

Associate Professors.....E. H. MASON, I. M. RABINOVITCH

Assistant Professors.....
C. C. BIRCHARD, J. S. L. BROWNE
J. KEITH GORDON, J. KAUFMAN,
D. S. LEWIS, E. S. MILLS,
C. F. MOFFATT, W. DE M. SCRIVER.

Lecturers.....
C. R. BOURNE, G. R. BROW,
D. G. CAMPBELL, NEIL FEENEY,
A. F. FOWLER, C. W. FULLERTON,
R. H. M. HARDISTY, A. T. HENDERSON,
E. M. HUNTER, W. R. KENNEDY,
J. F. McINTOSH, D. W. McKECHNIE,
J. H. PALMER*, COLIN SUTHERLAND,
C. J. TIDMARSH, R. VANCE WARD.

Demonstrators.....
L. J. ADAMS, D. BARZA,
J. O. W. BRABANDER, HUGH BURKE,
B. R. CUDDIHY, W. W. EAKIN,
GUY HAMEL, C. R. JOYCE,
H. E. MACDERMOT, J. F. MACIVER,
W. G. McLELLAN, D. L. MENDEL,
J. G. MUNROE, M. NOTKIN,
H. N. SEGALL, A. T. THOM.

Assistant Demonstrators.....
R. C. BENNETTS, J. J. DAY,
M. A. HICKEY, S. ORTENBERG,
S. L. RICHARDSON, C. B. SMITH,
F. McIVER SMITH.

*On active service.

PSYCHIATRY

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|--|--------------------------------|
| <i>Clinical Professor</i> | C. A. PORTEOUS |
| <i>Clinical Professor of Neurology</i> | F. H. MACKAY |
| <i>Assistant Professor (Neurology)</i> | A. W. YOUNG |
| <i>Lecturers in Neurology</i> | { G. E. READ N. VINER |
| <i>Lecturer</i> | BARUCH SILVERMAN |
| <i>Demonstrators</i> | { A. A. MACKAY C. H. SKITCH |

THE CURRICULUM

FOREWORD:

The object of the following course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES.

SECOND YEAR

Course 2A *Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year.

Place—Medical Building.

Subject Material—

1. Diseases of Lungs.
2. Diseases of Heart, Kidneys, Blood Vessels.
3. Diseases of G.I. Tract.
4. Diseases of Liver, Spleen, and Blood.
5. Diseases of Metabolism.
6. Diseases of Ductless Glands.
7. Clinical Neurophysiology.

Course 2B—A Practical Course in Clinical Methods.

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal Physical Signs.

Course 2C—Laboratory Diagnosis.

Time—Last term of Second Year.

Place—Pathology Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

THIRD YEAR

Course 3A—Amphitheatre Clinics in General Medicine.

Time—Twice weekly throughout year.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course 3B—Bedside Clinics and Practical Demonstrations.

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course 3C—Clinico-Pathological Conference.

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course 3D—Case Reporting.

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope.

Course 3E—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

FOURTH YEAR

Course 4A—*Amphitheatre Clinics in General Medicine.*

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course 4B—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course 4C—*Clinico-Pathological Conference.*

Time—Once a week during medical trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Course 4D—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

Course 4E—*Clinical Therapeutics—practical instruction.*

Time—Once a week for one trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Course 4F—*A Course of Lectures in Medicine and Specialties.*

Time—Four periods a week throughout year.

Place—Medical Building and the Montreal Neurological Institute.

Subject—Lectures in General Medicine and Allied Specialties.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

From time to time special Elective Courses are given at the Hospitals in such subjects as Hæmatology, Cardiology, etc.

TEXT AND REFERENCE BOOKS

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynaecology"; Clendenen, "Methods of Treatment"; "Pharmacopoea of the Teaching Hospitals".

Psychiatry:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch.

TOXICOLOGY: i. DEFINITIONS. ii. OCCURRENCE OF POISONING—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. iii. MODE OF ACTION OF POISONS: Modifying Causes—Amount. Form. Mode of Entry into Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncrasy. Other. iv. CLASSIFICATION OF POISONS. v. ACUTE POISONING: DIAGNOSIS—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment.

Antidotes—Specific. Other. Treatment of Common Forms of Poisoning. vi. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. vii. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Collection of Suspected Materials for Chemical Examination. Post-mortem Examinations in Cases of Poisoning. Chemical Analysis.

MEDICAL JURISPRUDENCE: A. i. INTRODUCTION: Definitions—Law. Forensic Medicine. ii. LEGAL POSITION OF DOCTORS: Registration—Privileges. Supervision—Medical Councils. iii. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. iv. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Circumstances that Demand Examination. Consent in Examination. v. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Skill". "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: i. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Communication between Doctor and Coroner. Coroner's Court. Subpoenas. ii. MEDICAL EVIDENCE: (a) Documentary—Certificates. Reports. Written Opinions. Dying Declarations. Res Gestae. (b) Oral—Common Witness. Expert Testimony. Use of Notes. Use of Books. (c) Experimental Evidence. iii. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Precognitions. Fees. (c) MEDICO-LEGAL ASPECTS OF DEATH: i. SIGNS OF DEATH: Real Death—Somatic. Molecular. Tests for Cessation of Respiration and Circulation. Eye Changes. Cooling of Body. Hypostasis. Changes in Muscular System—Flaccidity. Contact Flattening of Muscles. Rigor Mortis—Conditions which Modify Onset and Duration of Rigor Mortis. Conditions Simulating Rigor Mortis. Cadaveric Spasm. Putrefaction. Conditions Affecting Rate of Putrefaction. Mummification. Adipocere Formation. Other Agents in the Destruction of the Body. ii. APPARENT DEATH. iii. PROXIMATE CAUSES OF DEATH—Syncope. Asphyxia. Coma. iv. SUDDEN DEATH—Natural. Violent. v. PRESUMPTION OF DEATH—Presumption of Survivorship. vi. MEDICO-LEGAL FORMS OF DEATH: Mortal Wounds. Burning and Scalding—Thermal Burns. X-Rays Burns. Burns from Corrosive Fluids. Lightning. Electrical Currents. Judicial Electrocution. Heat Exhaustion and Heat Stroke. Cold and Exposure. Suffocation. Drowning. Hanging. Judicial Hanging. Strangulation. Throttling. Criminal Neglect and Starvation. vii. POST-MORTEM EXAMINATIONS FOR MEDICO-LEGAL PURPOSES—General Procedures: Special Procedures. Exhumations. Embalming. Cremation. viii. IDENTIFICATION OF THE DEAD—Age. Sex.

Race. Stature. Development. Hair. Eyes. Teeth. Occupation Marks. Deformities and Peculiarities, etc. Burned Bodies. Skeletal, Dismembered and Mutilated Remains. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Anthropometry. Dactylography. Teeth. Scars and Tattoo Marks. Birth Marks. Occupation Marks. Congenital Deformities. Mistaken Identity. E. BLOOD STAINS: Medico-legal Information from Blood Stains—Collection of Suspected Materials. Examination of Blood Stains. Stains which Resemble Blood. Blood Grouping. F. WOUNDS: i. Legal Definition. ii. Abrasions. Contusions. Lacerated, Incised, Stab and Punctured Wounds. Wounds from Firearms. Wounds in Various Parts of the Body. iii. Medico-legal Examination of a Wounded Person—Duty of a Medical Man when called to Examine a Wounded Person—Is the Wound Suicidal, Homicidal or Accidental? iv. Causes of Death from Wounds—Direct, Indirect. v. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY: i. Reasons why Pregnancy may be Feigned. i. Signs of Pregnancy. iii. Period of Gestation—Abnormal Gestation and Legitimacy. iv. DELIVERY—Signs in the Living. Signs in the Dead. v. Civil Aspects of Birth—Inheritance. H. ABORTION: i. Natural. Therapeutic. Criminal. ii. Duty of Doctor in Case of Suspected Criminal Abortion. Duty in Case of Known Criminal Abortion. iii. Post-Mortem Examination. I. IMPOTENCE and STERILITY. J. RAPE: i. Physical Signs in Adults and Children. i. Medico-legal Examination in a Case of Alleged Rape. K. INFANTICIDE: i. Legal Definition of Live Birth—Civil Cases. Criminal Cases. ii. Stillbirths. iii. Causes of Death to the Foetus. iv. Medico-legal Examination in Cases of Suspected Infanticide—Test Determining Whether a Child was Born Dead or Alive. v. Concealment of Birth. vi. Concealment of Pregnancy. L. MENTAL UNSOUNDNESS: i. Legal Definitions. ii. Types of Insanity. iii. Insanity and Responsibility—Testamentary Capacity. Criminal Responsibility. iv. Medico-legal Procedures—Physical Examinations in Cases of Suspected Insanity. Medical Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: i. Diagnosis—Clinical. Chemical. ii. Medico-legal Aspects of Alcoholism—Civil. Criminal.

Text and Reference Books:—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Forensic Medicine and Toxicology—F. J. Smith. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence. A Synopsis of Forensic Medicine and Toxicology—Thomas. Legal Medicine and Toxicology—Webster.

PAEDIATRICS

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|--------------------------------------|--|
| <i>Professor and Chairman of the</i> | |
| <i>Department</i> | R. R. STRUTHERS |
| <i>Associate Professor</i> | S. GRAHAM ROSS |
| <i>Assistant Professors</i> | { A. GOLDBLOOM L. LINDSAY A. K. GEDDES* |
| <i>Lecturers</i> | { ALAN ROSS* JESSIE BOYD SCRIVER H. P. WRIGHT* |
| <i>Demonstrators</i> | { E. M. WORDEN S. J. USHER |
| <i>Assistant Demonstrator</i> | B. BENJAMIN |
| <i>Sessional Demonstrators</i> | { C. STEWART S. I. DOUBILET J. H. O'NEILL S. B. SHAPIRO F. SHIPPAM |

REQUIRED COURSES

1. LECTURE COURSE: A series of lectures on paediatrics, intended as an introduction to various aspects of Diseases of Children—Hygiene—Nutrition—Infections—Family Relationships—Infectious Diseases and Preventive Medicine.

Once a week during the Autumn, Winter and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.
Professor Struthers and Assistants.

2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.
A weekly clinic-demonstration to groups of students of the Third Year during their Obstetrics Trimester.

Professor Ross, Drs. Scriver and Worden.

3. CLINICAL PAEDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including: (a) General Paediatrics—Children's Memorial Hospital. Daily bedside clinics by members of the department during the five week period spent by each student in attendance at the Children's Memorial Hospital—presentation of cases—discussion of case reports—ward rounds and staff rounds.

Staff Members.

(b) Normal Infant Feeding, Care and Development and Preventive Paediatrics. Immunization Procedures—Montreal Foundling and

*On Military Service.

Baby Hospital. Drs. Scriver, Usher, Benjamin. Child Welfare Association clinics.

(c) Infectious Diseases: A series of demonstrations to groups of students on the common infectious diseases, is given at the Alexandra Hospital. Drs. Worden, C. Stewart.

Text-books:—Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Paediatrics".

Reference Books:—Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood". (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Paediatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children".

NEUROLOGY AND NEUROSURGERY

Professor and Chairman of

Department.....WILDER PENFIELD

Associate Professor.....WILLIAM CONE

Associate Professor of Neurology....COLIN RUSSEL

Clinical Professor of Neurology....F. H. MACKAY

Assistant Professors of Neurology..{ARTHUR W. YOUNG
DONALD McEACHERN*

*Assistant Professor of Neuro-
psychiatry*.....MIGUEL PRADOS

Assistant Professor of Neurosurgery.ARTHUR ELVIDGE

Assistant Professor of Radiology....A. E. CHILDE

*Assistant Professor of Neuro-
physiology*.....HERBERT JASPER

Lecturers in Neurology.....{JOHN KERSHMAN
F. L. McNAUGHTON
J. N. PETERSEN
NORMAN VINER

Lecturer in Neuropathology.....KARL STERN

Demonstrators in Neurosurgery....{MURTON SHAVER
O. W. STEWART*

*Demonstrator in Neurological
Electrography*.....ANDRÉ CIPRIANI*

*Assistant Demonstrators in
Neurosurgery*.....{G. K. MORTON
PETER LEHMANN

Research Fellows.....{T. S. BENNETT
E. S. LOTSPPEICH
W. D. ROSS*

*On Military Service.

COURSES OFFERED IN NEUROLOGY AND NEUROSURGERY

SECOND YEAR.

- 2A. *Clinical Neuroanatomy and Neurophysiology*. 4 lectures. Dept. of Medicine. Dr. McNaughton.
- 2B. *Physical Examination of the Nervous System*. 2 theatre clinics. Dept. of Medicine. (1 at M.G.H., 1 at R.V.H.). Prof. F. H. Mackay.

THIRD YEAR.

- 3A. *Survey of Neurology and Neurosurgery*. 8 lectures, Dept. of Medicine, 8 lectures, Dept. of Surgery. M.N.I. amphitheatre. Professor Penfield and Professor Russel.
- 3B. *Neuropathology*. 8 lectures, Dept. of Pathology. Pathology amphitheatre. Dr. Karl Stern and Professor Penfield.

FOURTH YEAR.

- 4A. *Neurological and Neurosurgical Clinics*. 6 theatre clinics, Dept. of Medicine, 6 theatre clinics, Dept. of Surgery. M.N.I. amphitheatre. Professor Penfield, Professor Russel and staff.
- 4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday afternoons. Professor Russel and assistants.
- 4C-1 *Neurology Ward Classes*. Dept. of Medicine. Wednesdays. M.N.I. (R.V.H. group). Professor Russel.
- 4B-2 *Combined Neurological O.P.D. and Ward Classes*. M.G.H. Monday & and Friday afternoons. (M.G.H. group). Prof. F. H. Mackay and 4C-2 assistants.
- 4D-1 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (R.V.H. group). Dr. Cone.
- 4D-2 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (M.G.H. group). Dr. Elvidge.

ELECTIVE COURSES.

- I. *Clinics on Diseases of the Nervous System*. R.V.H. Outpatient amphitheatre, Tuesdays 3-4 o'clock. Professor Penfield.
- II. *Contribution of the Basic Sciences to Neurology*. M.N.I. Tuesdays 5.30 p.m. Various members of the Department of Neurology and Neurosurgery, organized by Dr. McNaughton.
- III. *Introduction to the Study of Psychological Medicine*. 5 lectures. M.N.I. Dr. Prados.
- IV. *Advanced Neuroanatomy (Anatomy 4)*. Construction of Model of Human Brain. M.N.I. Monday and Tuesday 8-10 p.m. (Registration limited to 10). Drs. McNaughton and Kershman.

SURGERY

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| <i>Professor and Chairman of the</i> | |
| <i>Department of Surgery</i> | F. E. McKENTY |
| <i>Professors</i> | F. B. GURD |
| <i>Associate Professor</i> | J. C. ARMOUR |
| <i>Assistant Professors</i> | { R. R. FITZGERALD, J. G. W. JOHNSON, C. A. McINTOSH*, L. H. McKIM*, G. GAVIN MILLER, D. E. ROSS, A. ROSS, A. J. STEWART, H. L. DAWSON, A. L. WILKIE, H. M. ELDER*, F. J. TEES |
| <i>Lecturers</i> | { C. LUKE*, S. J. MARTIN, H. F. MOSELEY, P. G. ROWE, S. G. BAXTER, H. G. PRETTY |
| <i>Demonstrator</i> | E. M. COOPER |
| <i>Sessional Demonstrators</i> | { C. J. F. PHILLIPPS-WOLLEY G. A. P. HURLEY |
| <i>Assistant Demonstrators</i> | { F. D. ACKMAN, H. A. BAXTER, E. H. CAYFORD, H. S. DOLAN, G. D. LITTLE, C. K. McLEOD, H. GRAHAM ROSS, J. C. SUTTON |

ORTHOPAEDIC SURGERY

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| <i>Clinical Professors</i> | { J. A. NUTTER W. G. TURNER |
| <i>Lecturers</i> | { W. J. PATTERSON N. T. WILLIAMSON |
| <i>Assistant Demonstrators</i> | |

ANAESTHESIA

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| <i>Lecturers</i> | { WESLEY BOURNE M. D. LEIGH C. C. STEWART F. A. H. WILKINSON |
| <i>Assistant Demonstrator</i> | A. M. TORRIE |

SURGERY

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

*On Military Service.

REQUIRED COURSES

SECOND YEAR.

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

Courses.

- 2A. *Amphitheatre clinics*, in the Montreal General Hospital and Royal Victoria Hospital, two days a week during the term.
- 2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR.

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

Courses.

- 3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
- 3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, once a week during the term.
- 3C. *Case Reporting*. Patients are allotted to students who act as reporters, dressers, and assistants at operations.
- 3D. *Military Lectures*. A course of 8 lectures on War Surgery, one evening a week.

FOURTH YEAR.

Courses.

- 4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. *Group ward classes* in the Montreal General and Royal Victoria Hospitals, twice a week during the term.
- 4C. *Case Reporting*.
- 4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

- 4E. *Military Lectures.* A course of 8 lectures on War Surgery, one evening a week.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:—

- 4A. *Amphitheatre Clinics* once a week throughout trimester.
 4B. *Group Ward Classes* three times a week throughout trimester.

ORTHOPAEDIC SURGERY

FOURTH YEAR COURSES.

- 4A. *Clinical Lectures.* A course of 8 lectures given at the University.
 4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
 4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery:* John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery:* Sluss, John W., "Manual of Emergency Surgery".

3. *Surgical Anatomy:* McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's Fractures and Dislocations.

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopaedic Surgery*: Whitman's "Orthopaedic Surgery"; Jones, "Orthopaedic Surgery of Injuries"; Jones and Lovett, "Orthopaedic Surgery"; Mercer's "Orthopaedic Surgery"; Willis Campbell's "Orthopaedic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopaedic Operations".

UROLOGY

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| <i>Professor</i> | F. S. PATCH |
| <i>Clinical Professors</i> | { R. E. POWELL E. S. SMITH |
| <i>Lecturer</i> | M. I. SENG |
| <i>Demonstrators</i> | { A. B. HAWTHORNE A. M. J. TANNEY |

SECOND YEAR.

2A. *Clinical Urology*.

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

FOURTH YEAR.

4A. *Survey of Urology*. 12 lectures.

In the Surgical trimester:—

4B. *Urological Clinics*—Ward Classes.

The Montreal General Hospital—2 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. *Case Reporting in Urological Wards*.

4D. *Clinico-Pathological Conference.*

Once a week at the Montreal General Hospital.

4E. *Venereal Disease.*

One demonstration a week in the Outpatient Departments of the Montreal General and Royal Victoria Hospitals.

OBSTETRICS AND GYNÆCOLOGY

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|---|--|
| <i>Professor and Chairman of the Department</i> | J. R. FRASER |
| <i>Associate Professors</i> | { A. D. CAMPBELL N. W. PHILPOTT |
| <i>Clinical Professor</i> | J. W. DUNCAN |
| <i>Assistant Professor</i> | W. A. G. BAULD |
| <i>Lecturers</i> | { J. S. HENRY P. J. KEARNS G. C. MELHADO IVAN PATRICK ELEANOR PERCIVAL |
| <i>Demonstrators</i> | { DOUGLAS GURD K. T. MACFARLANE C. V. WARD* |
| <i>Assistant Demonstrator</i> | G. B. MAUGHAN* |
| <i>A. A. Brown Fellow</i> | |
| <i>Teaching Fellow</i> | |
| <i>Sessional Lecturers</i> | { GEORGE STREAN G. T. ALTIMAS |

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynaecology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

*On military service.

OBSTETRICS

REQUIRED COURSES

THIRD YEAR.

1. Thirty-five Clinical Conferences for all Third Year students, Wednesday 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Fraser.
2. Thirty-five lectures relative to the anatomy and physiology of the pelvis as well as a general introduction to Obstetrics and associated Gynaecological lesions. Prof. Philpott.
3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures. Given by Members of the Staff.
4. Clinical instruction for twelve periods in case-rooms and wards. Given by Members of the Staff.
5. Six lectures concerning early development of the embryo and the placenta. Given by Members of the Staff.
6. Six lectures or demonstration periods relative to the care of the New-born. Prof. Struthers and Prof. Ross.

FOURTH YEAR.

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Fraser.
2. Staff Conference held once a week is arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Trimester. Prof. Philpott.
3. Fifteen lecture demonstrations are held in the Lecture Theatre on the following subjects:—
 - Normal Labour.....Prof. Philpott and Dr. Foote.
 - Dystocia.....Prof. Bauld and Dr. Melhado.
 - Toxaemia of Pregnancy...Prof. Duncan and Dr. Kearns.
 - Haemorrhage.....Dr. Patrick and Dr. Henry.
 - Puerperal Infection.....Prof. Campbell and Dr. MacFarlane.
4. Special Theatre Clinic conducted each Saturday at 9 a.m. to 10 a.m. for the term group. Prof. Campbell.
5. Fourteen instruction periods including conduct of pregnancy, labour and puerperium in Out-patient Department, Case-rooms and Wards. Given by Senior Members of Staff.

GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.
2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Prof. Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

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| (1) De Lee | Principles and Practice of Obstetrics. |
| (2) Stander | Text book on Obstetrics. |
| (3) Ten Teachers | Midwifery. |
| (4) Harper | Clinical Obstetrics. |
| (5) Bourne | Synopsis of Midwifery and Gynæcology. |
| (6) Johnson, R. W. | Text book of Midwifery. |
| (7) Bland | Practice of Obstetrics. |
| (8) Miller, J. | Manual of Obstetrics. |
| (9) Appleton | Obstetrical and Gynæcological Monographs. |
| (10) Peterson | Demonstration Course in Obstetrics. |
| (11) Irving | Text book on Obstetrics. |
| (12) Beck | Obstetrical practice. |
| (13) Adair | Obstetrics. |

GYNÆCOLOGY.

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| (1) Graves | Text book of Gynæcology. |
| (2) Curtis | Text book of Gynæcology and System of Gynæcology and Obstetrics. |
| (3) Ten Teachers | Diseases of Women. |
| (4) Monroe Kerr | Gynæcology. |
| (5) Blair Bell | Principles of Gynæcology. |
| (6) Kelly, Howard | Text book of Gynæcology. |
| (7) Goodall | Puerperal Infection. |
| (8) Crossen | Gynæcology. |
| (9) Kennedy, Campbell | Vaginal Hysterectomy. |

OPHTHALMOLOGY

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|--------------------------------------|---------------------------------|
| <i>Professor and Chairman of the</i> | |
| <i>Department.....</i> | J. A. MACMILLAN |
| <i>Assistant Professor.....</i> | STUART RAMSEY |
| <i>Lecturers.....</i> | {K. B. JOHNSTON J. ROSENBAUM |
| <i>Assistant Demonstrator.....</i> | B. ALEXANDER |

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

THIRD YEAR.

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....Professor MacMillan and members of the Staff.

THIRD YEAR.

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours.....Professor MacMillan.

FOURTH YEAR.

CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff.

Text-books:—May, Gifford, Parsons, Berens.

Reference books:—Duke-Elder.

OTO-LARYNGOLOGY

| | |
|---|-------------------|
| <i>Assistant Professor and Chairman</i> | |
| <i>of the Department</i> | D. H. BALLON |
| <i>Assistant Professor</i> | G. E. HODGE |
| <i>Lecturers</i> | { W. J. McNALLY |
| | { R. P. WRIGHT* |
| | { K. O. HUTCHISON |
| | { G. E. TREMBLE |
| <i>Assistant Demonstrators</i> | { G. E. M. HILTON |
| | { F. W. SHAVER |

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

*On military service.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon; Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

| | |
|---|--------------------------------|
| <i>Associate Professor and Chairman of the Department</i> | CARLETON B. PEIRCE |
| <i>Assistant Professor</i> | W. L. RITCHIE |
| <i>Assistant Professors</i> | { E. C. BROOKS A. E. CHILDE |
| | { J. W. MCKAY |
| <i>Demonstrators</i> | { M. BEATON J. BOUCHARD* |

COURSES OFFERED IN RADIOLOGY

FIRST YEAR.

In co-operation with the Department of Anatomy a series of 6 demonstrations are given. In this series film studies of bone, lungs, and other parts of the anatomy are shown, and fluoroscopic demonstrations of movements in joints, of the diaphragms, and heart. These are given by Associate Professor Peirce and staff.

SECOND YEAR.

Demonstration are given to small groups of students in both the Montreal General Hospital and the Royal Victoria Hospital. These demonstrations are an introduction to the various methods of radiological examinations used in approach to diagnosis. These are given at the Royal Victoria Hospital by Associate Professor Peirce and staff, and at the Montreal General Hospital by Associate Professor Ritchie and staff.

*On military service.

THIRD YEAR.

A course of 20 lectures are given at the University by Associate Professors Ritchie and Peirce, and Assistant Professors Brooks, Childe and McKay. These lectures cover the direct application and interpretation of roentgenology to the problems of Medicine, Surgery, Obstetrics and other clinical specialties, and also uses and application in therapy.

FOURTH YEAR.

A course of seven lectures are given on subjects of special clinical interest. These are given by Associate Professors Ritchie and Peirce and Assistant Professors Brooks, Childe and McKay. Throughout the year in the different teaching hospitals, a weekly conference of one hour's duration is held for clinical roentgenological consideration of cases in hospital. Also students attend Tumor Clinics weekly where possible.

POST GRADUATE INSTRUCTION.

At the teaching hospitals of McGill Medical School, opportunities are afforded for graduates to fulfil the requirements of the Specialty Board of Radiology held under the jurisdiction of the Royal College of Physicians and Surgeons of Canada and of the American Board of Radiology.

PSYCHIATRY

Professor and Chairman of the

Department D. EWEN CAMERON

A Department of Psychiatry has been formed during the past session. Appointments are being made and courses of instruction have been drawn up. Further details will be announced during the session. Pending the completion of these steps, teaching in Psychiatry is being continued as in the previous year.

RESEARCH INSTITUTE OF ENDOCRINOLOGY

| | |
|-------------------------------------|------------------------------------|
| <i>Director</i> | J. B. COLLIP |
| <i>Lecturers</i> | { ROBERT L. NOBLE A. H. NEUFELD |
| <i>Fellow</i> | HECTOR MORTIMER |
| <i>Sessional Lecturer</i> | C. GWENDOLINE TOBY |

This Institute established in 1941 and housed in the West Wing of the Medical Building is devoted to research in the fundamentals of endocrinology. It is not an undergraduate teaching department, but is closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine and affords facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute is under the direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble is the senior assistant in the Physiological branches of the subject and Dr. A. H. Neufeld is the senior assistant in the biochemical branches.

A limited number of graduate students will be accepted. Entrance requirements are either the degree of Doctor of Medicine with high standing in the courses for that degree, or the M.Sc. degree in Physiology or Biochemistry or its equivalent in training in these subjects.

The minimum period in which a student with a B.Sc. or an M.D. degree can obtain a Ph.D. degree is three years. A student with an M.Sc. degree or its equivalent may qualify for the Ph.D. degree in a minimum of two years. It is not proposed to do any didactic teaching in the Institute, but candidates for a Ph.D. degree will be required to pass a comprehensive examination in the subject and to submit a thesis.

Inquiries concerning the Institute should be addressed to the Director.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

*3. COURSE FOR DIPLOMA IN PUBLIC HEALTH: This course is specially designed as a thorough training for medical men in public health.

The duration of the course is one academic year.

The curriculum is as follows:—

(a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.

(b) A course covering health organization, legislation and administration.

(c) A course on vital statistics and records, including practical work.

*Suspended for the present session,

(d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

*4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 50,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

*Suspended for the present session.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building is at present being reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories. Plans have been drawn up for the carrying out of undergraduate and post-graduate teaching in the Faculty of Medicine.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Foundling Division, Children's Memorial Hospital.
Alexandra Hospital for Infectious Diseases.
Verdun Protestant Hospital.
Royal Edward Institute.
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its outdoor department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies per year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds. It serves to instruct students in the diagnosis and treatment of the psychoses. Students are taken about the wards in groups, and are required to report on cases and discuss the general problems of psychiatry with the teachers. Occupational therapy is emphasized.

THE ROYAL EDWARD INSTITUTE in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian.....R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 53,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library-ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian.....W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("*Bibliotheca Osleriana*," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "*Bibliotheca Prima*," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its *Incunabula*, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

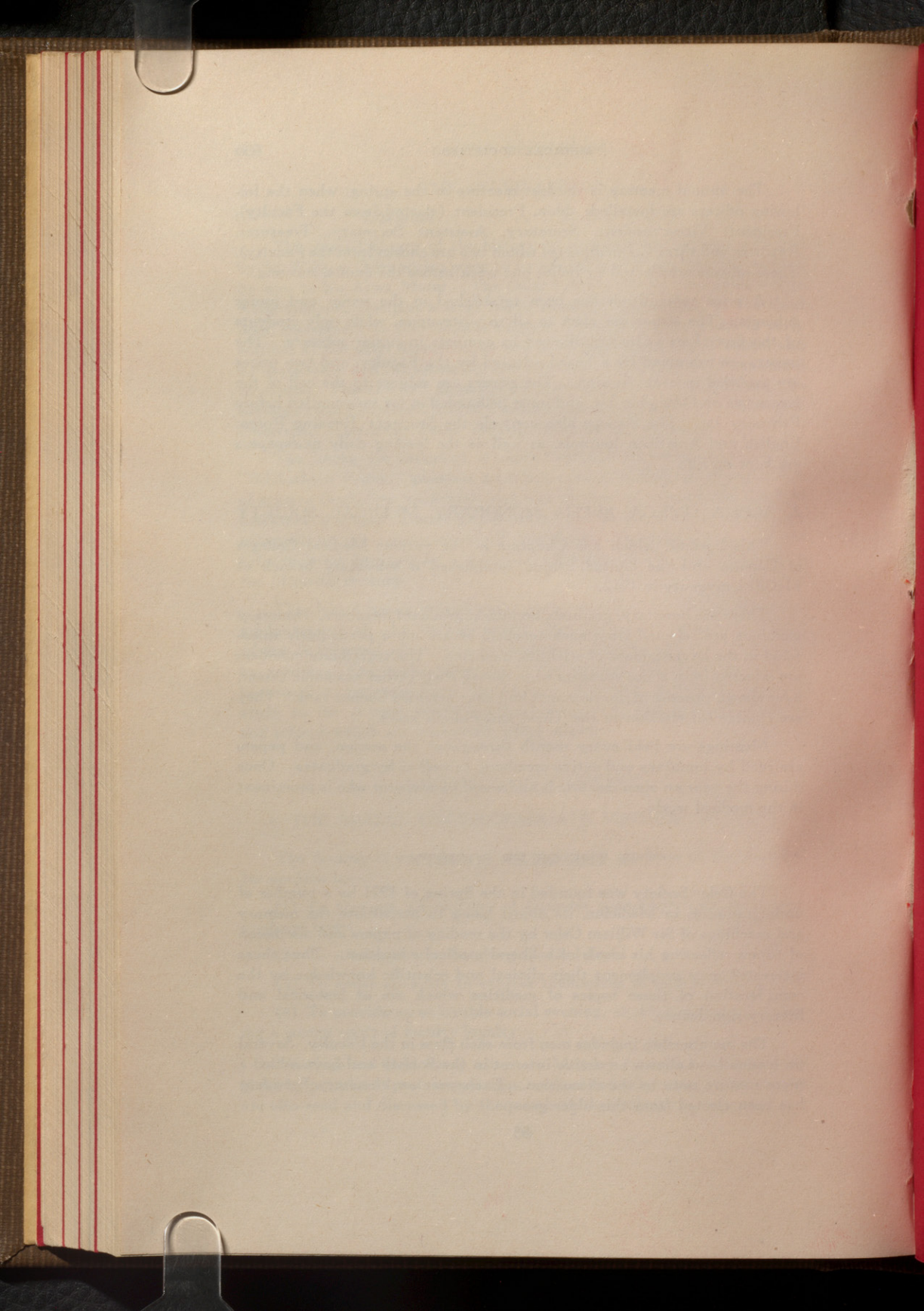
There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.



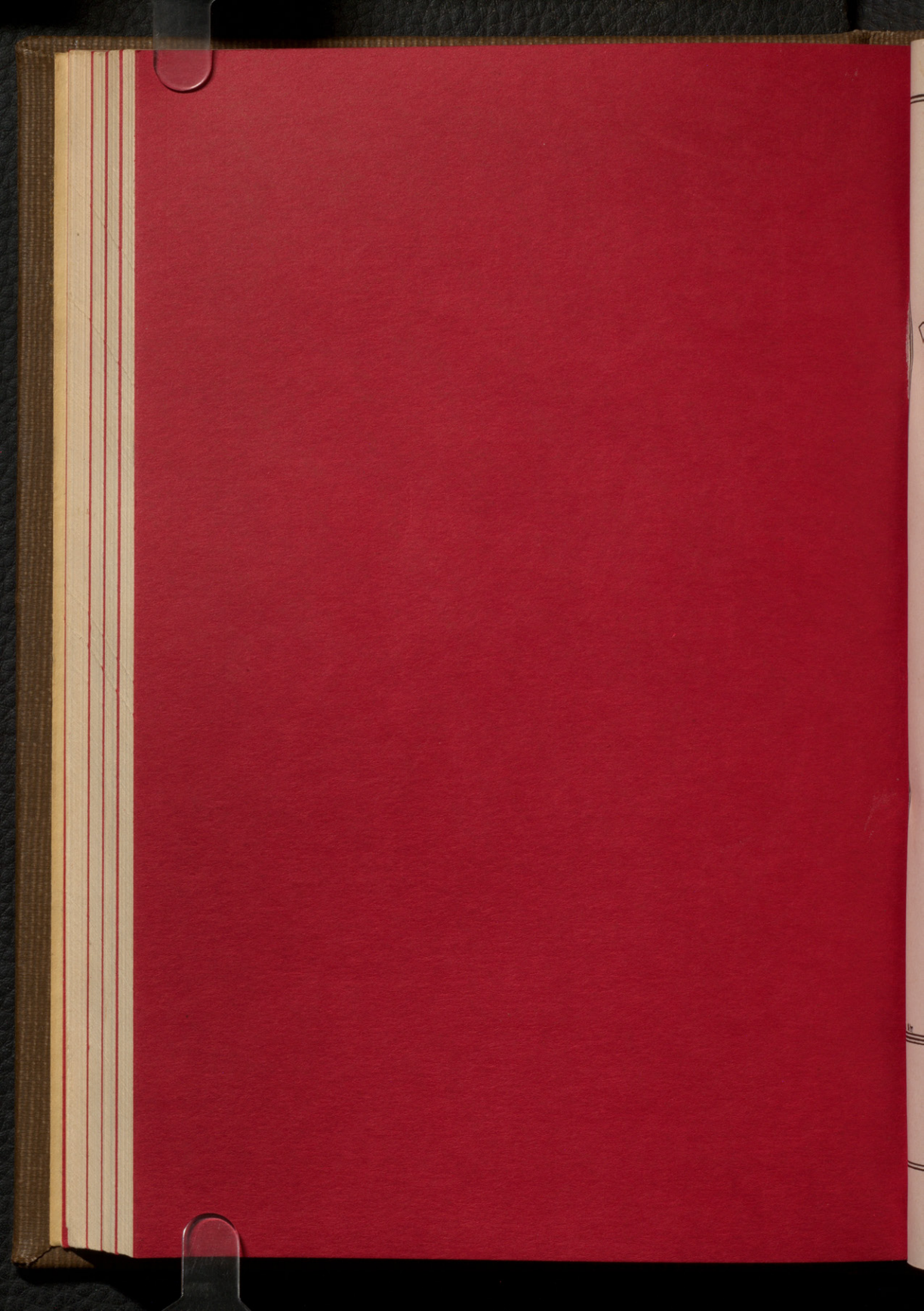


McGILL UNIVERSITY
MONTREAL

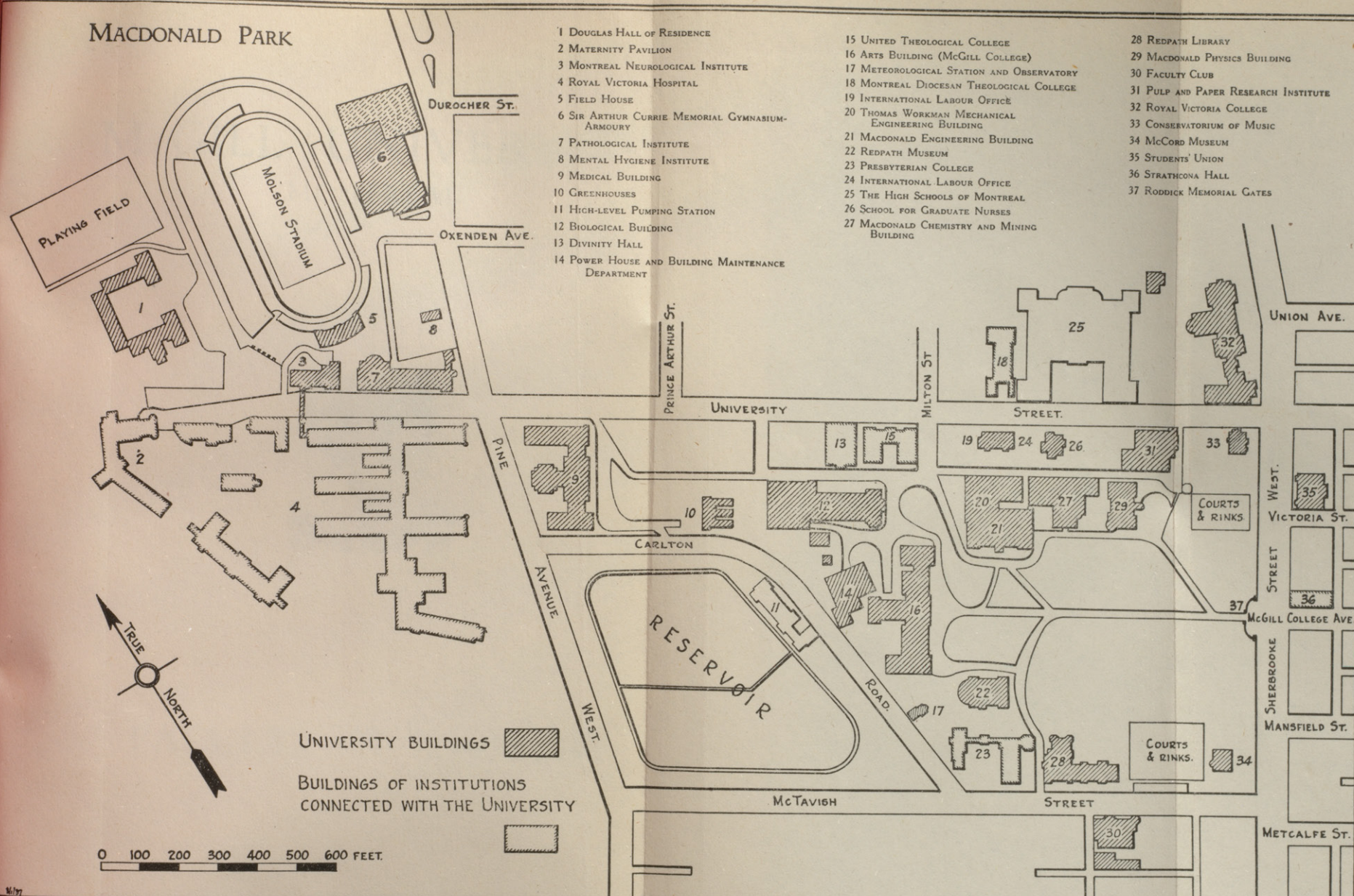


FACULTY OF MEDICINE

1944-1945



MACDONALD PARK



- 1 DOUGLAS HALL OF RESIDENCE
- 2 MATERNITY PAVILION
- 3 MONTREAL NEUROLOGICAL INSTITUTE
- 4 ROYAL VICTORIA HOSPITAL
- 5 FIELD HOUSE
- 6 SIR ARTHUR CURRIE MEMORIAL GYMNASIUM-ARMOURY
- 7 PATHOLOGICAL INSTITUTE
- 8 MENTAL HYGIENE INSTITUTE
- 9 MEDICAL BUILDING
- 10 GREENHOUSES
- 11 HIGH-LEVEL PUMPING STATION
- 12 BIOLOGICAL BUILDING
- 13 DIVINITY HALL
- 14 POWER HOUSE AND BUILDING MAINTENANCE DEPARTMENT

- 15 UNITED THEOLOGICAL COLLEGE
- 16 ARTS BUILDING (MCGILL COLLEGE)
- 17 METEOROLOGICAL STATION AND OBSERVATORY
- 18 MONTREAL DIOCESAN THEOLOGICAL COLLEGE
- 19 INTERNATIONAL LABOUR OFFICE
- 20 THOMAS WORKMAN MECHANICAL ENGINEERING BUILDING
- 21 MACDONALD ENGINEERING BUILDING
- 22 REDPATH MUSEUM
- 23 PRESBYTERIAN COLLEGE
- 24 INTERNATIONAL LABOUR OFFICE
- 25 THE HIGH SCHOOLS OF MONTREAL
- 26 SCHOOL FOR GRADUATE NURSES
- 27 MACDONALD CHEMISTRY AND MINING BUILDING

- 28 REDPATH LIBRARY
- 29 MACDONALD PHYSICS BUILDING
- 30 FACULTY CLUB
- 31 PULP AND PAPER RESEARCH INSTITUTE
- 32 ROYAL VICTORIA COLLEGE
- 33 CONSERVATORIUM OF MUSIC
- 34 MCCORD MUSEUM
- 35 STUDENTS' UNION
- 36 STRATHCONA HALL
- 37 RODDICK MEMORIAL GATES

MCGILL UNIVERSITY—PLAN OF GROUNDS

McGILL UNIVERSITY
MONTREAL

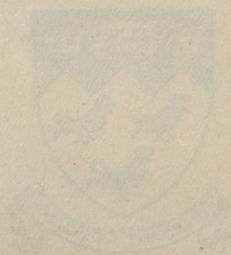


FACULTY OF MEDICINE

1944 - 1945

McGILL UNIVERSITY

MONTREAL



FACULTY OF MEDICINE

1914-1915

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McGILL UNIVERSITY

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

| | |
|--|--|
| <i>Principal</i> | F. CYRIL JAMES, Ph.D., D.C.L. |
| <i>Dean of the Faculty</i> | J. C. MEAKINS, M.D., F.R.C.S., F.R.C.P., F.R.S.C. |
| <i>Secretary of the Faculty</i> | J. F. McINTOSH, B.A., M.D., C.M. |
| <i>Bursar</i> | W. BENTLEY, C.G.A., A.C.I.S. |
| <i>Registrar</i> | T. H. MATTHEWS, M.A. |
| <i>University Librarian</i> | GERHARD R. LOMER, M.A., Ph.D., F.L.A. |
| <i>Honorary Medical Librarian</i> | R. L. STEHLE, M.A., Ph.D. |
| <i>Osler Librarian and Director of the Museum of the History of Medicine</i> | W. W. FRANCIS, A.B., M.D. |
| <i>Assistant Secretary of the Faculty</i> | Miss G. D. MUDGE. |

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office. The announcement also contains the names of members of the staff on active service.

FACULTY OF MEDICINE

The one hundredth and twelfth session of the Faculty will open on September 6th, 1944, for students of the 1st year.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 5th, 1944. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

UNIVERSITY FEES

1. REGULAR STUDENTS.
 Annual fee for British students..... \$375.00
 By instalments: each of two instalments..... 190.00
 Annual fee for Non-British students..... 475.00
 By instalments: each of two instalments..... 240.00
2. REPEATING A YEAR.
 British students repeating a year pay..... 375.00
 Non-British students repeating a year pay..... 475.00
3. PARTIAL STUDENTS.
 Qualified students may be admitted as partials to one or more courses on payment of special fees.
4. AD EUNDEM FEE.
 Students entering any year above the first pay a special *ad eundem* fee of..... \$10.00
5. DIPLOMA IN PUBLIC HEALTH FEES.
 The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.
6. CAUTION MONEY.
 Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session..... \$10.00

STUDENT FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

| | |
|-------------------------------|---------|
| Regular students (men)..... | \$11.00 |
| Regular students (women)..... | 9.00 |
| Partial students..... | 5.00 |

DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 5th, to Thursday, September 7th, inclusive,

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Fees for students in the Third and Fourth Years of the accelerated course are payable at the Bursar's Office on Tuesday, September 5th, to Thursday, September 7th, inclusive. If desired, these fees may be paid in two instalments, due in September and February 1st, upon payment of the instalment fee of \$5.00. If additional instalments are desired special arrangements should be made with the Chief Accountant. Students eligible to receive their diplomas at the Fall Convocation in October must pay all fees before that date, as otherwise the diploma will be withheld.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Accouncement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Every effort is made by the University to obtain satisfactory microscopes for the students at a preferred cost, but this cannot be guaranteed.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).

COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital.

OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

DECELERATION OF THE MEDICAL COURSE.

The introduction of summer terms to accelerate the graduation of medical students was introduced as a "war measure" in 1942. The class which entered in September, 1942, having embarked on this course, will continue acceleration to the end of their course in July, 1945. As it is anticipated that the needs of the three Medical Services of the Armed Forces will be met satisfactorily without further acceleration, classes admitted in September, 1943, and subsequently, will return to the pre-war schedule outlined in a previous paragraph.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION:

Anatomy (Embryology), Biochemistry, Histology, Physiology.

SECOND SESSION:

Physiology, Pharmacology, General Pathology, Bacteriology, Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics.

THIRD SESSION:

Special Pathology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, Medical Jurisprudence, Radiology.

FOURTH SESSION:

Medicine,* Surgery,* Obstetrics and Gynaecology, Paediatrics, Ophthalmology, Otolaryngology, Radiology.

*In these subjects are included the following—

Medicine—Dermatology, Psychiatry, Neurology, Clinical Therapeutics.

Surgery—Orthopaedics, Urological Surgery, Neurosurgery, Anaesthesia.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology, Pathology, Public Health, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Endocrinology, Immunology, Medical Jurisprudence, Ophthalmology, Otolaryngology, and examinations preliminary to the final examinations in Anatomy, Physiology, Public Health, Pathology, Medicine (including Therapeutics and Psychiatry), Surgery, Obstetrics and Gynaecology and Paediatrics.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major

examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such a subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in

examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that not more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The first Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology and Paediatrics, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time, if in the opinion of his instructors he is incompetent.

C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

- A = Excellent
- B = Good
- C = Fair
- D = Doubtful
- E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 491.)

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right

of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, 336 8th Ave. W., Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this

University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

COURSES OF INSTRUCTION

ANATOMY

Robert Reford Professor and

Chairman of the Department . . . C. P. MARTIN

Associate Professor of Histology... H. SELYE

Assistant Professor of Anatomy... D. S. FORSTER

*Assistant Professor of Histology... C. P. LEBLOND**

Demonstrators in Anatomy..... { E. W. WORKMAN

G. PERRIGARD

Teaching Fellow in Anatomy..... S. M. FRIEDMAN

Sessional Lecturers in Histology. { E. BELAND
C. H.

O. HALL

REQUIRED COURSES

1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

Text-books:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

Practical Manuals:—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

Optional Texts:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Fraser and Robbins, Larsell, Ramson.

*On military service.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Dr. Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and nine hours laboratory work per week during the first half of the First Medical Year.

Text-book:—Bailey, "Text-Book of Histology".

Optional Texts:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

Text-book:—Arey, "Developmental Anatomy".

Optional Texts:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

| | |
|--|--|
| <i>Joseph Morley Drake Professor and Chairman of the Department.....</i> | H. E. HOFF |
| <i>Research Professor.....</i> | B. P. BABKIN |
| <i>Associate Professor.....</i> | N. GIBLIN |
| <i>Lecturers.....</i> | { S. DWORKIN RONALD GRANT KATHLEEN TERROUX |
| <i>Demonstrator.....</i> | RHODA GRANT |

REQUIRED COURSES

1. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in January).

1P. FIRST YEAR LABORATORY.

Nine hours a week, Spring Term.

2. SECOND YEAR LECTURES.

Monday, Wednesday, Friday, at 9 a.m., Autumn and Winter Terms.

2P. SECOND YEAR LABORATORY.

Six hours a week and laboratory demonstration. Autumn Term.

Text-books:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.

3P. ADVANCED LABORATORY.

BIOCHEMISTRY

| | |
|--------------------------------------|------------------|
| <i>Professor and Chairman of the</i> | |
| <i>Department.....</i> | D. L. THOMSON |
| <i>Assistant Professors.....</i> | { O. F. DENSTEDT |
| | { R. D. H. HEARD |
| <i>Sessional Lecturer.....</i> | H. SOBEL |

COURSES OFFERED IN BIOCHEMISTRY

FIRST YEAR.

Biochemistry 1. 50 lectures and 100 hours laboratory work, in the second and third quarters of the first year.

Dr. Thomson.

Text-books:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill).

SECOND YEAR.

Nutrition, 10 lectures, in the first term of the second year

Dr. Thomson.

Biochemistry 2, Endocrinology. 25 lectures, from October to April in the second year.

Dr. Heard.

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.

PATHOLOGY

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|--|---|
| <i>Strathcona Professor and Chairman of the Department</i> | G. LYMAN DUFF |
| <i>Associate Professor</i> | THEO. R. WAUGH |
| <i>Assistant Professor</i> | C. Y. YUILE |
| <i>Lecturers</i> | { R. H. MORE J. E. PRITCHARD F. W. WIGLESWORTH* |
| <i>Demonstrator</i> | M. B. MACKENZIE |
| <i>Sessional Demonstrator</i> | M. A. SIMON |
| <i>Douglas Fellow</i> | ELIZABETH L. CORBETT |
| <i>Fellows</i> | { J. B. CHERRY D. C. WILSON M. M. GOLD |

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
 - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).
Professor Duff.
 - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).
Professor Duff, Professor Yuile and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
 - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).
Professor Duff, Professor Waugh, Professor Yuile and Lecturers.
 - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).
Professor Duff and Staff.
 - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours.)
Professor Yuile, Dr. More and Dr. Simon.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).
 - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms.....Professor Duff.

*On military service.

- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute.....Professor Duff and Dr. More.
 Montreal General Hospital.....Dr. Pritchard.
 Children's Memorial Hospital.....

Text Books:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

REFERENCE BOOKS.

General:—Aschoff, Pathologische Anatomie (Gustav Fischer); Bell, Text Book of Pathology (MacMillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafield & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

Tumours:—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

Haematopathology:—Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill).

Neuropathology:—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

Technique:—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber).

BACTERIOLOGY AND IMMUNITY

Professor and Chairman.....E. G. D. MURRAY**

Associate Professor and Acting

Chairman.....FREDERICK SMITH

Assistant Professors.....
 { T. E. ROY*
 { C. D. KELLY
 { D. S. FLEMING

Lecturer.....W. H. MATHEWS*

Demonstrators.....
 { D. H. STARKEY*
 { N. W. MCLELLAN*
 { G. G. KALZ
 { M. F. HOWIE

REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

*On military service.

**On leave of absence.

COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Three lectures and 6 hours laboratory work a week. First term II.

COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS. III.

COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES. Second term II.

Two lectures and demonstrations a week. Second term.

COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc.

Six lectures and 12 hours laboratory work a week throughout the year. IX.

(Full details of the courses can be obtained by application to the Registrar).

Text-books:—Hans Zinsser and G. Bayne-Jones, *Textbook of Bacteriology* (Appleton); R. Muir and J. Ritchie, *Manual of Bacteriology* (Oxford University Press); R. T. Hewlett and James McIntosh, *Manual of Bacteriology* (Churchill); T. J. Mackie and J. E. McCartney, *Practical Bacteriology* (Livingstone); J. W. Bigger, *Handbook of Bacteriology* (Bailliere Tindall & Cox); Hans Zinsser, *Resistance to Infectious Diseases* (Macmillan); W. W. C. Topley and G. S. Wilson, *The Principles of Bacteriology and Immunity* (Edward Arnold & Co.); W. W. C. Topley, *An Outline of Immunity* (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, *Manual of Determinative Bacteriology* (Williams & Wilkins); E. O. Jordan and W. Burrows, *Text-Book of Bacteriology* (Saunders); Frederick P. Gay, *Agents of Disease and Host Resistance* (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, *A Text-book of Medical Bacteriology* (W. Heinemann, Ltd.).

PARASITOLOGY

Professor and Chairman of the

Department.....T. W. M. CAMERON

Lecturer.....IVAN W. PARNELL*

Sessional Lecturer.....MAJOR D. C. BEWS

REQUIRED COURSE

SECOND YEAR.

2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis. In the practical class, each student examines all the important species as well as the lesions caused by them.

*On Military Service.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

Text-book:—Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

PUBLIC HEALTH AND PREVENTIVE MEDICINE

Strathcona Professor and Chairman
of the Department
Associate Professor and Acting
Chairman R. ST. J. MACDONALD
Assistant Professor FRANK G. PEDLEY**
Lecturer R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special fields. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child and industrial hygiene.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

**On leave of absence.

A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study calls for individual field work by each student. This requirement has been waived, however, for the duration of the accelerated course, and has been replaced by a practical problem in public health and preventive medicine on which each student is asked to report.

REQUIRED COURSES

FIRST YEAR.

- 1A. *Public Health*—3 lectures:—Development of the modern public health program, and results; problems of public health and medical care.....Professor Macdonald and Dr. Ward.

SECOND YEAR.

- 2A. *Public Health Organization*—5 lectures:—International, national, local and voluntary health organization.
Professor Macdonald and Dr. Ward.

THIRD YEAR.

- 3A. *Hygiene*—11 lectures:—Maternal, Infant, Pre-School, School and Industrial Hygiene.
Professor Macdonald and Dr. Ward.
- 3C. *Epidemiology and Vital Statistics*—7 lectures.
Professor Macdonald and Dr. Ward.
- 3D. *Sanitation*—6 lectures.....Professor Macdonald.
- 3E. *Preventive Medicine, Demonstrations*—6 periods
Chandler Health Centre.

Text-books and reference books:—

The General Field—Mustard; Rosenau.

Industrial Hygiene—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

Mental Hygiene—The Mental Hygiene of Childhood, White.

PHARMACOLOGY AND THERAPEUTICS

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| <i>Professor and Chairman of the</i> | |
| <i>Department.....</i> | R. L. STEHLE |
| <i>Associate Professor of</i> | |
| <i>Therapeutics.....</i> | D. S. LEWIS |
| <i>Associate Professor of</i> | |
| <i>Pharmacology.....</i> | K. I. MELVILLE |
| <i>Lecturer in Therapeutics.....</i> | W. DE M. SCRIVER |
| <i>Lecturer in Anaesthesia.....</i> | WESLEY BOURNE |
| <i>Lecturer in Pharmacology.....</i> | A. M. FRASER* |

PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

- 1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.

Professors Stehle and Melville.

- 1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year.

Professors Stehle and Melville.

THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods. Dr. Scriver.
- 3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

*On Military Service.

- 3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

Text-books in Pharmacology. Cushny, Sollmann, Clark. *Text-books in Therapeutics,* Beckman, Lyon, Reiman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

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|---|--|
| Professor and Chairman of the Department | JONATHAN C. MEAKINS |
| Professor | L. C. MONTGOMERY* |
| Associate Professors | { G. R. BROW, E. H. MASON E. S. MILLS, I. M. RABINOWITCH |
| Assistant Professors | { C. C. BIRCHARD, J. S. L. BROWNE, J. KEITH GORDON, J. KAUFMAN, D. S. LEWIS, C. F. MOFFATT, W. DEM. SCRIVER. |
| Lecturers | { C. R. BOURNE, NEIL FEENEY, A. F. FOWLER, C. W. FULLERTON, A. T. HENDERSON, W. R. KENNEDY, J. F. MCINTOSH, J. H. PALMER*, COLIN SUTHERLAND, C. J. TIDMARSH, R. VANCE WARD, R. H. M. HARDISTY } Post-retirement D. W. McKECHNIE |
| Demonstrators | { L. J. ADAMS, C. B. BARKER, D. BARZA, R. C. BENNETTS, J. O. W. BRABANDER, HUGH BURKE, B. R. CUDDIHY, W. W. EAKIN, GUY HAMEL, M. A. HICKEY, C. R. JOYCE, H. E. MACDERMOT, J. F. MACIVER, W. G. McLELLAN, W. F. McMARTIN, D. L. MENDEL, J. G. MUNROE, M. NOTKIN, S. ORTENBERG, S. L. RICHARDSON, H. N. SEGALL, C. B. SMITH, F. M. SMITH. |

*On active service.

THE CURRICULUM

FOREWORD:

The object of the following course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

REQUIRED COURSES.

SECOND YEAR

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year.

Place—Medical Building.

Subject Material—

1. Diseases of Lungs.
2. Diseases of Heart, Kidneys, Blood Vessels.
3. Diseases of G.I. Tract.
4. Diseases of Liver, Spleen, and Blood.
5. Diseases of Metabolism.
6. Diseases of Ductless Glands.
7. Clinical Neurophysiology.

Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal Physical Signs.

Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

THIRD YEAR

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Twice weekly throughout year.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference.*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope.

Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

FOURTH YEAR

Course IV 9—*Amphitheatre Clinics in General Medicine.*

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course IV 10—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical quarter.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*

Time—Once a week during medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

Course IV 13—*Clinical Therapeutics—practical instruction.*

Time—Once a week for one quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 14—*A Course of Lectures in Medicine and Specialties.*

Time—Four periods a week throughout year.

Place—Medical Building and the Montreal Neurological Institute.

Subject—Lectures in General Medicine and Allied Specialties.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

From time to time special Elective Courses are given at the Hospitals in such subjects as Hematology, Cardiology, etc.

TEXT AND REFERENCE BOOKS

Clinical Methods and Physical Diagnosis:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

General Medicine:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynaecology"; Clendenning, "Methods of Treatment"; "Pharmacopoeia of the Teaching Hospitals".

General Medicine:—Smith & Gault, "Essentials of Pathology"; Yates, "Fundamentals of Internal Medicine"; McCombs, "Internal Medicine in General Practice"; Christian, "Osler's PRINCIPLES AND PRACTICE OF MEDICINE", 15th edition.

Psychiatry:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

Neurology:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

Dermatology:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Assoc. Professor Rabinowitch.

TOXICOLOGY: 1. DEFINITIONS; 2. OCCURRENCE OF POISONING—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. MODE OF ACTION OF POISONS: Modifying Causes—Form. Amount. Mode of Entry into Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncrasy. Other. 4. CLASSIFICATION OF POISONS. 5. ACUTE POISONING: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment. Antidotes—Limitations. 6. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

MEDICAL JURISPRUDENCE: A. 1. INTRODUCTION: Definitions—Law. Medicine. Forensic Medicine. 2. LEGAL POSITION OF DOCTORS. 3. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. 4. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: 1. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Coroner's Court. 2. MEDICAL EVIDENCE IN COURTS OF LAW: a. Documentary.

b. Oral. c. Experimental. 3. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Pre-cognitions. Fees. C. MEDICO-LEGAL ASPECTS OF DEATH: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. BLOOD STAINS: Medico-legal information from Blood Stains. Blood Grouping. F. WOUNDS: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds. 5. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY: H. ABORTION: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. IMPOTENCE AND STERILITY. J. RAPE. K. INFANTICIDE. L. MENTAL UNSOUNDNESS: Medical Certificate of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: 1. Diagnosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

Text and Reference Books:—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Forensic Medicine and Toxicology—F. J. Smith. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence. A Synopsis of Forensic Medicine and Toxicology—Thomas. Legal Medicine and Toxicology—Webster.

DERMATOLOGY

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| <i>Clinical Professors</i> | { J. F. BURGESS (On leave of absence) L. P. EREAUX |
| <i>Lecturers</i> | { B. USHER F. KALZ |

CLINICAL THERAPEUTICS

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| <i>Associate Professor</i> | D. S. LEWIS |
| <i>Lecturers</i> | { C. W. FULLERTON W. DE M. SCRIVER GUY FISK (<i>Physiotherapy</i>) NORMAN BROWN (<i>Physiotherapy</i>) |

PSYCHIATRY

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| <i>Professor and Chairman of the Department</i> | D. EWEN CAMERON |
| <i>Clinical Professor</i> | C. A. PORTEOUS |
| <i>Assistant Professors</i> | { M. PRADOS G. E. REED B. SILVERMAN |
| <i>Lecturer</i> | KARL STERN |
| <i>Sessional Lecturers</i> | { BRESLIN LARIVIERE |
| <i>Demonstrators</i> | { T. E. DANCEY M. GRAY* H. LEHMAN A. A. MCKAY W. D. ROSS* C. SKITCH |

FOREWORD

Instruction in human behavior is given in all four years. Emphasis is placed upon the personality factor in all forms of illness. Consequently, teaching is carried on in close relation with other aspects of medicine. It is planned to take full advantage of the teaching facilities not only of the Institute but of the wards and out-patient departments of the Royal Victoria Hospital and of the Montreal General Hospital.

Special prominence is given to those psychological and personality situations which the student will meet after graduation in his day to day teaching. Instruction in military psychiatry and in child psychiatry is given in the final years.

REQUIRED COURSES

1. **PSYCHOBIOLOGY**—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behavior will be stressed, with special reference to their relationship to medicine.
Dr. Cameron.
2. **PSYCHIATRY**—Eighteen lectures in the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered.
Dr. Reed and Assistants.
3. A course of eight lectures will be given on child psychiatry during the fourth year.
Dr. Silverman.

*On Military Service.

4. Clinical demonstrations and ward rounds will be held during the fourth year. Certain of these will be devoted to military psychiatry.
Dr. Breslin and Dr. Lariviere.
5. Others will deal with psychosomatic problems and early manifestations of nervous and mental illness.
Drs. Cameron, Reed, Stern and Assistants.
6. Out-Patient instruction will be given in the Psychiatric Out-Patient Department.
Dr. M. Prados.
7. Instruction in Out-Patient child psychiatry will be given at the Mental Hygiene Institute.
Dr. Silverman.

PAEDIATRICS

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| <i>Professor and Chairman of the</i> | |
| <i>Department</i> | R. R. STRUTHERS** |
| <i>Associate Professor</i> | S. GRAHAM ROSS |
| <i>Assistant Professors</i> | (A. GOLDBLOOM L. LINDSAY A. K. GEDDES* ALAN ROSS* JESSIE BOYD SCRIVER B. BENJAMIN J. H. O'NEILL S. J. USHER E. M. WORDEN |
| <i>Lecturers</i> | |
| <i>Demonstrators</i> | |
| <i>Sessional Demonstrator</i> | C. STEWART |

REQUIRED COURSES

1. LECTURE COURSE: A series of lectures on paediatrics, intended as an introduction to various aspects of Diseases of Children—Hygiene—Nutrition—Infections—Family Relationships—Infectious Diseases and Preventive Medicine.
Once a week during the Autumn, Winter, and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.
Professor Struthers and Assistants.
2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.
A weekly clinic-demonstration to groups of students of the Third Year during their Obstetrics Trimester.
Professors Ross, Drs. Scriver and Worden.
3. CLINICAL PAEDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including: (a) General Paediatrics—Children's

*On Military Service.

**On Leave of Absence.

Memorial Hospital. Daily bedside clinics by members of the department during the five week period spent by each student in attendance at the Children's Memorial Hospital—presentation of cases—discussion of case reports—ward rounds and staff rounds.

Staff Members.

(b) Normal Infant Feeding, Care and Development and Preventive Paediatrics. Immunization Procedures. Drs. Scriver, Usher, Benjamin. Child Welfare Association Clinics.

(c) *Infectious Diseases*: A series of demonstrations to groups of students on the common infectious diseases, is given at the Alexandra Hospital. Drs. Worden, C. Stewart.

Text-books: Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Paediatrics".

Reference Books: Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Paediatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children".

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Professor of Neurology and Neurosurgery, Chairman of Department. WILDER PENFIELD

Associate Professor of Neurology. COLIN RUSSEL

Associate Professor of Neurosurgery. WILLIAM CONE

Clinical Professor of Neurology. F. H. MACKAY

Assistant Professors of Neurology. { DONALD McEACHERN*
FRANCIS L. McNAUGHTON
ARTHUR W. YOUNG

Assistant Professor of Neurosurgery. ARTHUR ELVIDGE

Assistant Professor of Neurological Radiology. ARTHUR CHILDE

Assistant Professor of Neurophysiology. HERBERT JASPER*

Lecturers in Neurology. { JOHN KERSHMAN*
W. D. ROSS*
NORMAN VINER

Lecturer in Neuropathology. MURTON SHAVER

Demonstrators in Neurosurgery. { GUY K. MORTON*
O. W. STEWART*

Demonstrator in Neurophysiology. ANDRÉ CIPRIANI*

Demonstrator in Neurosurgery. ARTHUR A. WARD, Jr.

Research Fellows at Montreal Neurological Institute. { CHEN CHAO-JEN
M. BORSTEIN
ERIC PETERSON*
H. F. STEELMAN
C. VILLAVICENCIO
W. FEINDEL
C. MUSHATT

*On Military Service.

COURSES OFFERED IN NEUROLOGY AND NEUROSURGERY

SECOND YEAR.

- 2A. *Clinical Neuroanatomy and Neurophysiology*. 4 lectures. Dept. of Medicine. Dr. McNaughton.
- 2B. *Physical Examination of the Nervous System*. 2 theatre clinics. Dept. of Medicine. (1 at M.G.H., 1 at R.V.H.). Prof. F. H. Mackay.

THIRD YEAR.

- 3A. *Survey of Neurology and Neurosurgery*. 8 lectures, Dept. of Medicine. 8 lectures, Dept. of Surgery. M.N.I. amphitheatre. Professor Penfield and Professor Russel.
- 3B. *Neuropathology*. 8 lectures, Dept. of Pathology. Pathology amphitheatre. Professor Cone and Dr. Murton Shaver.

FOURTH YEAR.

- 4A. *Neurological and Neurosurgical Clinics*. 6 theatre clinics, Dept. of Medicine, 6 theatre clinics, Dept. of Surgery. M.N.I. amphitheatre. Professor Penfield, Professor Russel, Professor Cone, Professor Mackay and staff.
- 4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday afternoons. Professor Russel and assistants.
- 4C-1 *Neurology Ward Classes*. Dept. of Medicine. Wednesdays. M.N.I. (R.V.H. group). Professor Russel.
- 4B-2 *Combined Neurological O.P.D. and Ward Classes*. M.G.H. Monday & Friday afternoons. (M.G.H. group). Prof. F. H. Mackay and 4C-2 assistants.
- 4D-1 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (R.V.H. group). Dr. Cone.
- 4D-2 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (M.G.H. group). Dr. Elvidge.

ELECTIVE COURSES.

- I. *Clinics on Diseases of the Nervous System*. R.V.H. Outpatient amphitheatre (if requested), Tuesdays 3-4 o'clock. Professor Penfield.
- II. *Contribution of the Basic Sciences to Neurology*. M.N.I. Tuesdays 5.30 p.m. Various members of the Department of Neurology and Neurosurgery, organized by Dr. McNaughton.
- III. *Advanced Neuroanatomy* (Anatomy 3). Construction of Model of Human Brain. M.N.I. Monday and Tuesday 8-10 p.m. (Registration limited to 10). Drs. McNaughton and Kershman.

SURGERY

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| <i>Professor and Chairman of the Department of Surgery</i> | FRASER B. GURD |
| <i>Professor</i> | F. E. MCKENTY |
| <i>Associate Professors</i> | { J. C. ARMOUR J. G. W. JOHNSON, G. GAVIN MILLER, D. E. ROSS. |
| <i>Assistant Professors</i> | { R. R. FITZGERALD, C. A. MCINTOSH*, L. H. MCKIM*, A. ROSS, A. J. STEWART, H. L. DAWSON, A. L. WILKIE, H. M. ELDER*, F. J. TEES |
| <i>Lecturers</i> | { C. LUKE*, S. J. MARTIN, H. F. MOSELEY, P. G. ROWE, S. G. BAXTER, H. G. PRETTY |
| <i>Demonstrator</i> | E. M. COOPER |
| <i>Demonstrators</i> | { F. D. ACKMAN, H. A. BAXTER, E. H. CAYFORD, H. S. DOLAN, G. D. LITTLE, C. K. MCLEOD, J. C. SUTTON |

ORTHOPAEDIC SURGERY

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| <i>Lecturer</i> | N. T. WILLIAMSON |
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ANAESTHESIA

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| <i>Lecturers</i> | { WESLEY BOURNE M. D. LEIGH C. C. STEWART F. A. H. WILKINSON |
| <i>Demonstrator</i> | A. M. TORRIE |

UROLOGY

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| <i>Clinical Professors</i> | { R. E. POWELL E. S. SMITH |
| <i>Lecturer</i> | M. I. SENG |
| <i>Demonstrators</i> | { A. B. HAWTHORNE A. M. J. TANNEY |

SECOND YEAR.

2A. *Clinical Urology.*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

*On Military Service.

FOURTH YEAR.

4A. *Survey of Urology*. 12 lectures.

In the Surgical trimester:—

4B. *Urological Clinics*—Ward Classes.

The Montreal General Hospital—2 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. *Case Reporting in Urological Wards*.

SURGERY

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

REQUIRED COURSES

SECOND YEAR.

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

Courses.

2A. *Amphitheatre clinics*, in the Montreal General Hospital and Royal Victoria Hospital, two days a week during the term.

2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR.

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

Courses.

- 3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
- 3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, once a week during the term.
- 3C. *Case Reporting.* Patients are allotted to students who act as reporters, dressers, and assistants at operations.
- 3D. *Military Lectures.* A course of 8 lectures on War Surgery, one evening a week.

FOURTH YEAR.

Courses.

- 4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. *Group ward classes* in the Montreal General and Royal Victoria Hospitals, twice a week during the term.
- 4C. *Case Reporting.*
- 4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. *Military Lectures.* A course of 8 lectures on War Surgery, one evening a week.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:—

- 4A. *Amphitheatre Clinics* once a week throughout trimester.
- 4B. *Group Ward Classes* three times a week throughout trimester.

ORTHOPAEDIC SURGERY

FOURTH YEAR COURSES.

- 4A. *Clinical Lectures.* A course of 8 lectures given at the University.
- 4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

Text-books:—

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's Fractures and Dislocations.

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopaedic Surgery*: Whitman's "Orthopaedic Surgery"; Jones, "Orthopaedic Surgery of Injuries"; Jones and Lovett, "Orthopaedic Surgery"; Mercer's "Orthopaedic Surgery"; Willis Campbell's "Orthopaedic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopaedic Operations".

OBSTETRICS AND GYNÆCOLOGY

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|--------------------------------------|--|
| <i>Professor and Chairman of the</i> | |
| <i>Department</i> | J. R. FRASER |
| <i>Associate Professors</i> | { A. D. CAMPBELL N. W. PHILPOTT |
| <i>Clinical Professor</i> | J. W. DUNCAN |
| <i>Assistant Professor</i> | W. A. G. BAULD |
| <i>Lecturers</i> | { J. S. HENRY P. J. KEARNS G. C. MELHADO IVAN PATRICK ELEANOR PERCIVAL |
| <i>Demonstrators</i> | { K. T. MACFARLANE C. V. WARD* S. E. AYRE |
| <i>Assistant Demonstrator</i> | G. B. MAUGHAN* |
| <i>A. A. Brown Fellow</i> | |
| <i>Teaching Fellow</i> | S. GOLD |
| <i>Sessional Lecturers</i> | { GEORGE STREAN G. T. ALTIMAS |

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynaecology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

OBSTETRICS

REQUIRED COURSES

THIRD YEAR.

1. Thirty-five Clinical Conferences for all Third Year students, Wednesday 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Fraser.
2. Thirty-five lectures relative to the anatomy and physiology of the pelvis as well as a general introduction to Obstetrics and associated Gynaecological lesions. Prof. Philpott.

*On military service.

3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures.
Given by Members of the Staff.
4. Clinical instruction for twelve periods in case-rooms and wards.
Given by Members of the Staff.
5. Six lectures concerning early development of the embryo and the placenta.
Given by Members of the Staff.
6. Six lectures or demonstration periods relative to the care of the New-born.
Prof. Struthers and Prof. Ross.

FOURTH YEAR.

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12.45-1.45 p.m., illustrating the more important Obstetrical conditions.
Prof. Fraser.
2. Staff Conference held once a week is arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Trimester.
Prof. Philpott.
3. Fifteen lecture demonstrations are held in the Lecture Theatre on the following subjects:—

| | |
|---------------------------------|-----------------|
| Normal Labour | Prof. Philpott. |
| Dystocia | Dr. Melhado. |
| Toxaemia of Pregnancy | Dr. Foote. |
| Haemorrhage | Prof. Henry. |
| Puerperal Infection | Prof. Campbell. |
4. Special Theatre Clinic conducted each Saturday at 9 a.m. to 10 a.m. for the term group.
Prof. Campbell.
5. Fourteen instruction periods including conduct of pregnancy, labour and puerperium in Out-patient Department, Case-rooms and Wards.
Given by Senior Members of Staff.

GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.
2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.

3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Prof. Bauld and Staff.

TEXT AND REFERENCE BOOKS

OBSTETRICS.

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| (1) De Lee | Principles and Practice of Obstetrics. |
| (2) Stander | Text book on Obstetrics. |
| (3) Ten Teachers | Midwifery. |
| (4) Harper | Clinical Obstetrics. |
| (5) Bourne | Synopsis of Midwifery and Gynæcology. |
| (6) Johnson, R. W. | Text book of Midwifery. |
| (7) Bland | Practice of Obstetrics. |
| (8) Miller, J. | Manual of Obstetrics. |
| (9) Appleton | Obstetrical and Gynæcological Monographs. |
| (10) Peterson | Demonstration Course in Obstetrics. |
| (11) Irving | Text book on Obstetrics. |
| (12) Beck | Obstetrical practice. |
| (13) Adair | Obstetrics. |

GYNÆCOLOGY.

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| (1) Graves | Text book of Gynæcology. |
| (2) Curtis | Text book of Gynæcology and System of Gynæcology and Obstetrics. |
| (3) Ten Teachers | Diseases of Women. |
| (4) Monroe Kerr | Gynæcology. |
| (5) Blair Bell | Principles of Gynæcology. |
| (6) Kelly, Howard | Text book of Gynæcology. |
| (7) Goodall | Puerperal Infection. |
| (8) Crossen | Gynæcology. |
| (9) Kennedy, Campbell | Vaginal Hysterectomy. |

OPHTHALMOLOGY

*Professor and Chairman of the**Department*.....J. A. MacMILLAN*Assistant Professor*.....STUART RAMSEY

Lecturers.....{ K. B. JOHNSTON
J. ROSENBAUM
J. V. V. NICHOLLS*
B. ALEXANDER
R. J. VIGER* }

Demonstrators.....

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

THIRD YEAR.

1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....Professor MacMillan and members of the Staff.

THIRD YEAR.

2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours.....Professor MacMillan.

FOURTH YEAR.

CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff.

Text-books:—May, Gifford, Parsons, Berens.

Reference books:—Duke-Elder.

*On military service.

OTO-LARYNGOLOGY

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| <i>Assistant Professor and Chairman of the Department.....</i> | | D. H. BALLON |
| <i>Assistant Professor.....</i> | | G. E. HODGE |
| <i>Lecturers.....</i> | | W. J. McNALLY |
| | | R. P. WRIGHT |
| | | K. O. HUTCHISON |
| | | G. E. TREMBLE |
| | | A. O. FREEDMAN |
| <i>Demonstrators.....</i> | | E. E. SCHARFE |
| | | G. E. M. HILTON |
| | | F. W. SHAVER |

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

Text and Reference Books:—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

RADIOLOGY

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| <i>Associate Professor and Chairman of the Department</i> | CARLETON B. PEIRCE** |
| <i>Associate Professor</i> | W. L. RITCHIE |
| <i>Assistant Professors</i> | { E. C. BROOKS A. E. CHILDE J. W. MCKAY |
| <i>Demonstrators</i> | { J. J. L. BOUCHARD* DOUGLAS C. EAGLESHAM* JAMES G. TYE |

COURSES OFFERED

FIRST YEAR.

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera and the alimentary tract.

Associate Professor Peirce and Staff.

SECOND YEAR.

Introduction to Radiology:

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Associate Professor Peirce and Staff.

Associate Professor Ritchie and Staff.

**On Part-time Military Service.

*On Military Service.

THIRD YEAR.

III ROENTGEN PATHOLOGY AND RADIATION THERAPY:

A course of 20 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

Associate Professors Peirce and Ritchie.
Assistant Professors Brooks, Childe & McKay.

FOURTH YEAR.

IV-A CLINICAL RADIOLOGY:

(1) A course of six lectures on special clinical applications of roentgen rays and radium radiation.

Associate Professors Peirce and Ritchie
and Members of the Staff.

IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Prof. Childe.

Montreal General Hospital—Assoc. Prof. Ritchie.

Assist. Prof. McKay and Staff.

Royal Victoria Hospital—Assoc. Prof. Peirce,

Assist. Prof. Brooks and Dr. Tye.

IV-A (3) Tumour Conference: the final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs, and their experience reviewed.

POST-GRADUATE INSTRUCTION

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

Text and Reference Books:—Roentgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Roentgen Diagnosis, Pendergrass & Schaeffer; Roentgenology, Kohler; Urological Roentgenology, Wesson and Ruggles; Clinical Roentgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Roentgen Therapy, Pohle; Clinical Roentgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor & Weatherwax.

RESEARCH INSTITUTE OF ENDOCRINOLOGY

| | |
|------------------------------|----------------------|
| <i>Director</i> | J. B. COLLIP |
| <i>Asst. Professor</i> | ROBERT L. NOBLE |
| <i>Lecturers</i> | { A. H. NEUFELD* |
| | { C. GWENDOLINE TOBY |
| <i>Fellow</i> | HECTOR MORTIMER |

This Institute established in 1941 and housed in the West Wing of the Medical Building is devoted to research in the fundamentals of endocrinology. It is not an undergraduate teaching department, but is closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine and affords facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute is under the direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble is the senior assistant in the Physiological branches of the subject and Dr. A. H. Neufeld is the senior assistant in the biochemical branches.

A limited number of graduate students will be accepted. Entrance requirements are either the degree of Doctor of Medicine with high standing in the courses for that degree, or the M.Sc. degree in Physiology or Biochemistry or its equivalent in training in these subjects.

The minimum period in which a student with a B.Sc. or an M.D. degree can obtain a Ph.D. degree is three years. A student with an M.Sc. degree or its equivalent may qualify for the Ph.D. degree in a minimum of two years. It is not proposed to do any didactic teaching in the Institute, but candidates for a Ph.D. degree will be required to pass a comprehensive examination in the subject and to submit a thesis.

Inquiries concerning the Institute should be addressed to the Director.

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

*On military service.

*3. COURSE FOR DIPLOMA IN PUBLIC HEALTH: This course is specially designed as a thorough training for medical men in public health.

The duration of the course is one academic year.

The curriculum is as follows:—

(a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.

(b) A course covering health organization, legislation and administration.

(c) A course on vital statistics and records, including practical work.

(d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

*4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

*Suspended for the present session,

COURSE FOR DIPLOMA IN TROPICAL MEDICINE

This course is offered for the first time during the session 1944-45. Its object is to train medical graduates to deal with medical problems peculiar to tropical areas. In this connection, it has been approved by Faculty as satisfying the requirements of a fifth year of professional training, which is required of McGill graduates before a certificate is issued stating that his medical education is complete, and that he is eligible to sit the examinations of a licensing board. It is also suggested as a refresher course for medical graduates who have been working in the tropics, and wish to take advanced work in Parasitology and other branches related to tropical hygiene.

The Diploma will be granted to graduates of any recognized medical school after completion of three of the following units, of which (a) is compulsory:

- (a) Parasitology and Tropical Medicine (3 months).
- (b) Ambulatory patients (3 months).
- (c) Three months at an approved hospital in the tropics.
- (d) Public Health and Tropical Hygiene (3 months).

The fee for the course will be \$250.00. In the case of McGill graduates who take the course in lieu of the compulsory interne year the fee will be \$75.00.

CURRICULUM

(a) TROPICAL MEDICINE AND PARASITOLOGY.

DEAN D. L. THOMSON, PROFESSORS F. SMITH, T. W. M. CAMERON
AND R. ST. J. MACDONALD.

Sessional Lecturer: MAJOR D. C. BEWS, RCAMC.

This basic course covers Bacteriology, Parasitology and Medical Entomology as applied to Tropical Medicine and includes an introduction to Nutrition and Hygiene as applied to the tropics, as well as a systematic review of the symptomatology, therapeutics, epidemiology and control of all the important Tropical Diseases. The course lasts twelve weeks (September to November) of which the first two are held in Montreal and the remainder at the Institute of Parasitology at Macdonald College. The class meets daily (Monday to Friday) from nine a.m. to five p.m., and includes, in addition to the systematic lectures, demonstrations in public health matters of importance to the tropics, including port hygiene, rat control, disinfestation methods, as well as visits to various institutions. Special prominence is given to laboratory work, and each student studies not only the etiology and pathology of all important tropical diseases, but practical means of diagnosis.

THE DISEASES CONSIDERED INCLUDE:

Malarias (including Blackwater fever), Trypanosomiasis. Leishmaniasis and Amoebiasis Relapsing fever and other Spirochaetal diseases. Rickettsial diseases. Bacillary dysenteries, enteric fevers, and Cholera, Plague, Leprosy, and Undulant fever. Anthrax and other diseases of animals in the tropics transmissible to man. Yellow fever, Dengue fever, and Phlebotomus fever. Schistosomiasis, Filariasis and disease caused by other helminths including Ascariasis, Hookworm disease, Trichinosis, Guinea-worm disease, Tapeworm disease and Hydatid, Intestinal, Liver and Lung Flukes. Sprue, Beriberi, Pellagra, Scurvy and Nutritional diseases in the tropics. Heat diseases and tropical skin diseases.

The laboratory course consists in a practical study of the causes and pathology of these diseases together with their vectors and control. (Mosquitoes, Midges, Lice, Flies, Fleas, Bugs, Ticks and Mites). Special attention is paid to diagnostic methods, including examination of the blood, sputum, faeces and urine. Microscopes will be provided.

(b) COURSE IN CARE OF AMBULATORY PATIENTS.

The series of courses in this unit are arranged to give supervised experience in the important diseases common to tropical and temperate climates. Emphasis is placed upon the actual handling of clinical cases. These will be, for the most part, ambulatory patients, attending Hospital and Child Welfare Clinics. Disease will be considered in its various aspects as a community problem. The following courses have been arranged:

- (a) *Syphilology*: 12 lectures, and three practical periods weekly for three months in the Out-patient Department. Dr. L. P. Ereaux and one period weekly on Public Health aspects.
- (b) *Dermatology*: 12 lectures and two practical periods weekly for three months in the Out-patient Department. Dr. Ereaux.
- (c) *Tuberculosis*: practical work three mornings weekly at the Royal Edward Laurentian Hospital, and weekly seminars. Dr. H. E. Burke and staff.
- (d) *Child Welfare Clinics*: three afternoons a week at the Chandler Health Centre. Dr. L. M. Lindsay.
- (e) Additional work in *Paediatrics*. Dr. R. R. Struthers and in *Haematology*. Dr. Joseph Kaufmann.

(c) CLINICAL INSTRUCTION IN THE TROPICS.

This will consist of a minimum of three months clinical instruction at a hospital in the tropics approved by Faculty. Faculty shall have power to exempt from this course, candidates who have been engaged for at least twelve months in the Treatment of Tropical Diseases in any tropical or sub-tropical country.

**** (d) PUBLIC HEALTH AND TROPICAL HYGIENE.**

This course deals with the general principles of Public Health and Preventive Medicine (including vital statistics and records). Special attention will be paid to Tropical life and problems arising from Tropical climates, including water, food, housing and cooling of buildings, disposal of waste, care of the sick, control of nomads and native labour. Suitable demonstrations and visits will be arranged.

THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 65,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

*Suspended for the present session.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and post-graduate teaching in the Faculty of Medicine.

HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.
Montreal General Hospital.
Children's Memorial Hospital.
Foundling Division, Children's Memorial Hospital.
Alexandra Hospital for Infectious Diseases.
Verdun Protestant Hospital.
Royal Edward Laurentian Hospital.
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its outdoor department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized outpatient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teach-

ing, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of paediatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies per year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

LIBRARY

Honorary Librarian.....R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 65,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

THE OSLER LIBRARY

Librarian.....W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

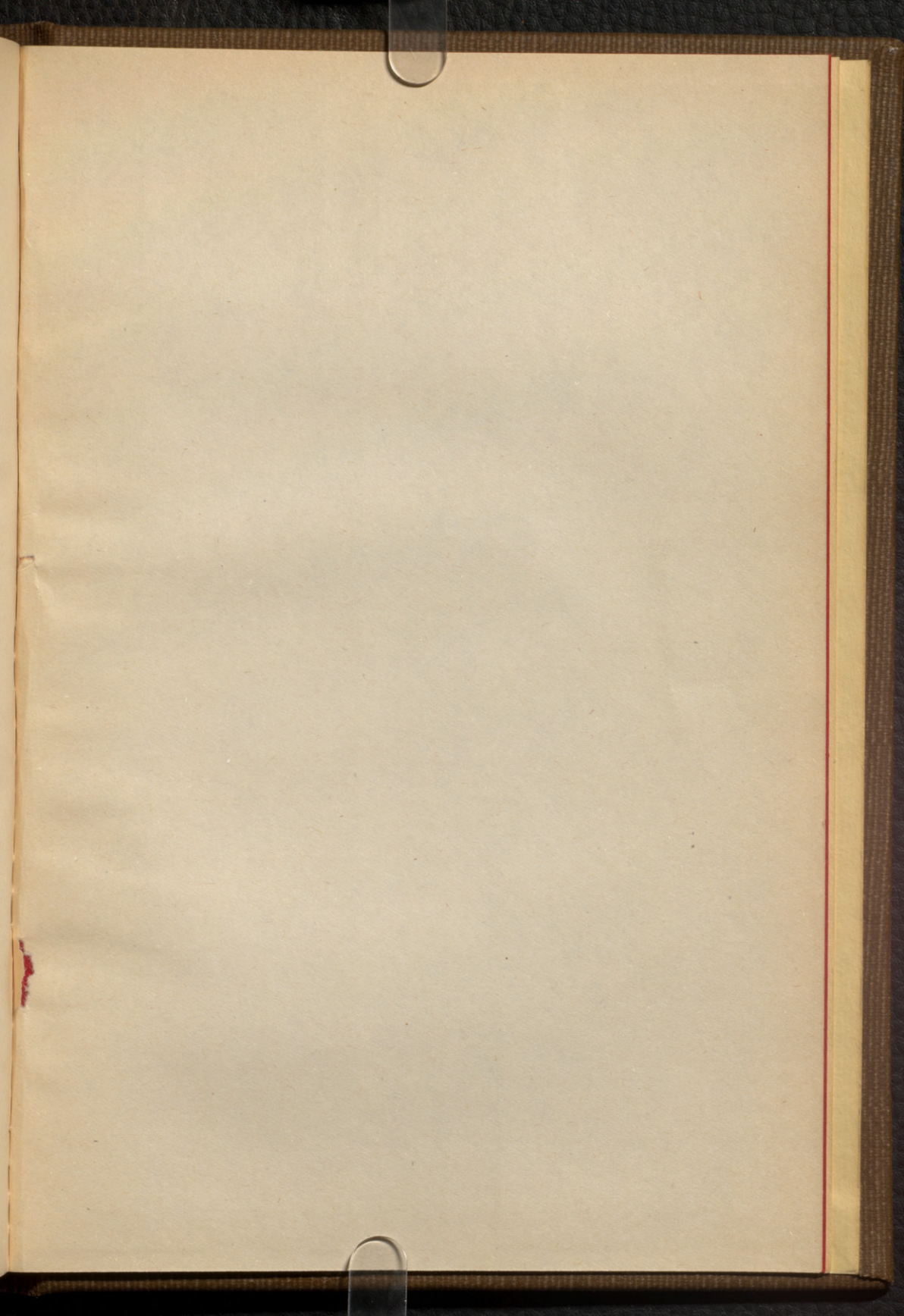
There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

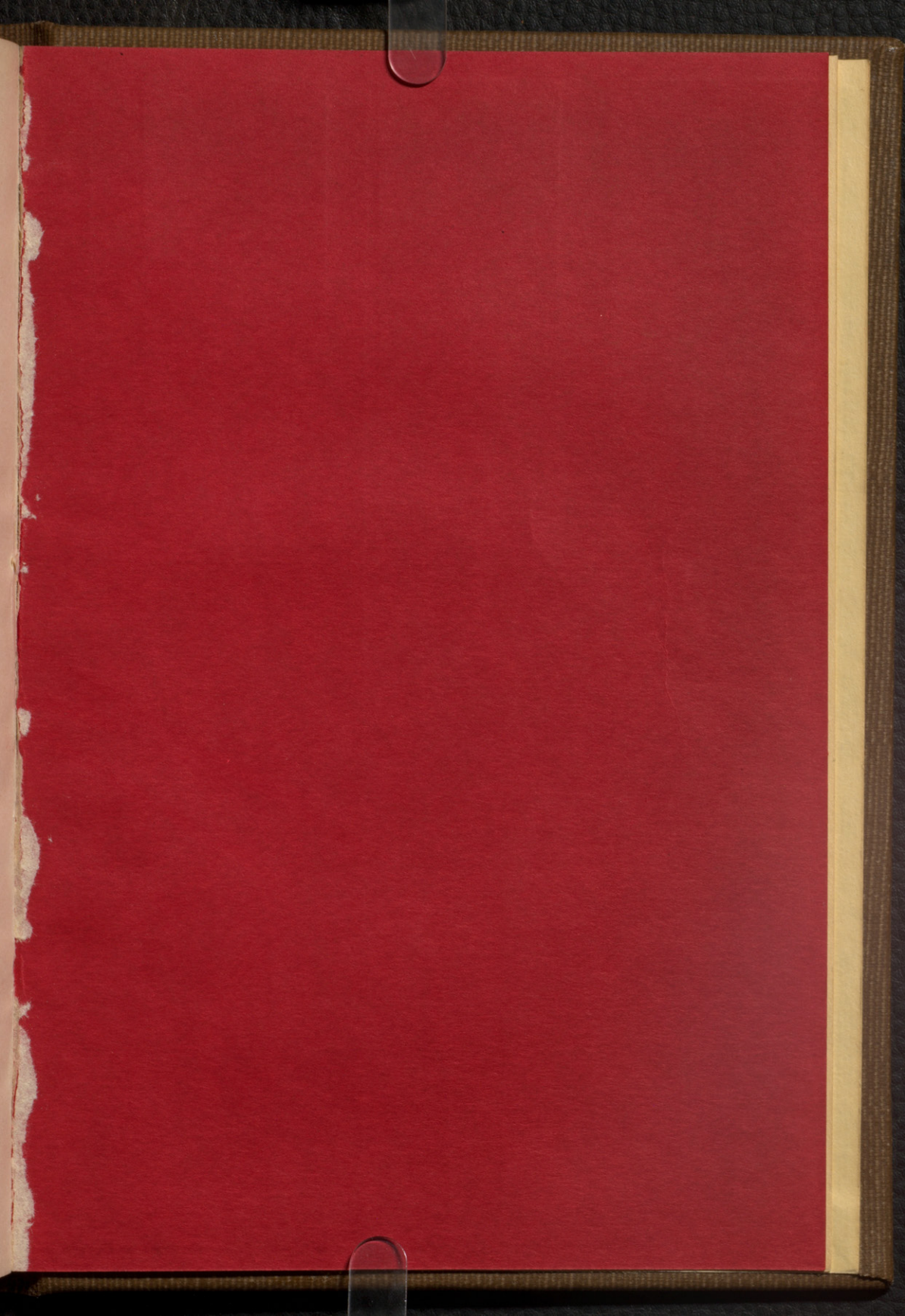
Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

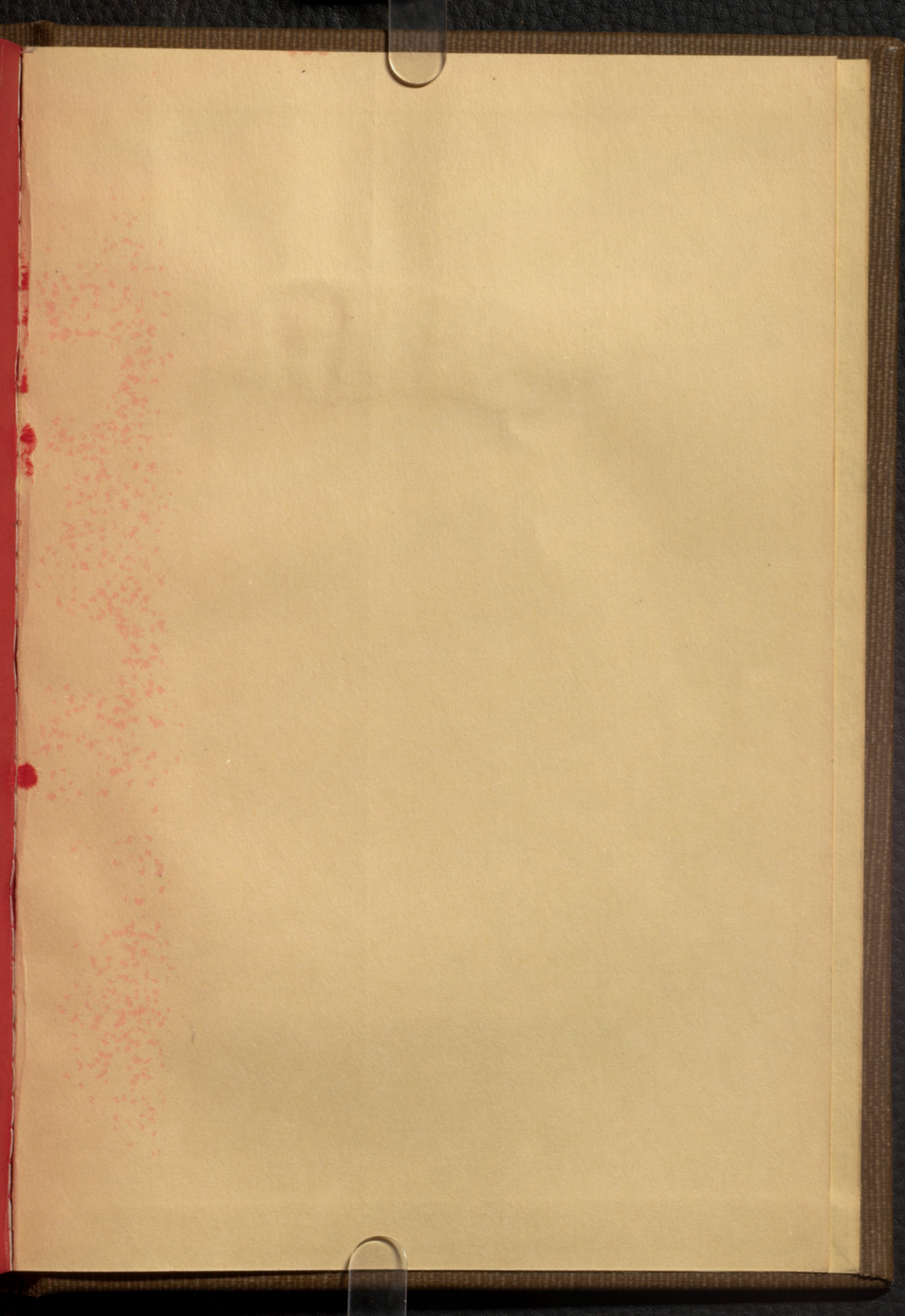
3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.







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