# DALHOUSIE.

T. McCullock was professor of natural philosophy 1863-6. Dr. Cornish, of McGill college, was for a few years professor of classics at Dal-

housie. Dr. Tompkins, now a barrister of Lon-don, G. B., and a writer on Roman law, in-structed the Dalhousie students for a num-ber of years in mathematics. The Rev. Jas. McIntosh preceded him

Voice Culturer and Elocution. John Somers, M.D., (Bell, Hosp. Med. Coll., N. Y.), Examiner in Medicine. George L. Sinclair, M.D. (Coll. P. and S., N. Y.), M.D. (Univ. Hal.), Examiner in Anatomy and Practical Anatomy. D. A. Campbell, M. D., C. M. (Dal.), Examiner in Materia Medica and Thera-peutics.

nutics. A. W. H. Lindsay, B. A. (Dal.), M. ., C. M. (Dal.), M. B., C. M. (Edin.), xaminer in Anatomy and Practical Ana-

John Stewart, M. B., C. M. (Edin.),

Examiner in Surgery. A. C. Page, M. D. (Harv.), President N. S. Medical Board, Examiner in Obstet-rics and Diseases of Women and Children. Hon. D. McN. Parker, M. D. (Edin.), L. R. C. S., Edin., Examiner in Medi-una.

cine. Edward Farrell, M. D. (Coll P. and S., N. Y.), Examiner in Surgery. Andrew J. Cowie, M. D., (Univ. Penn.), M. R. C. P. Lond., Examiner in

Clinical Medicine. John F. Black, M. D. (Coll. P. and S., N. Y.), Examiner in Clinical Surgery. Alexander P. Reid, M. D., C. M. (Mc-Gill), L. R. C. S. (Edin.), L. C. P. and S. Can., Supt. Hospital for Insane, Exam-ingr in Medical Linear Science Science

FACULTY OF ARTS. The Faculty of Arts consist of eight pro-fessors and one lecturer. In addition, however, the classes conducted by the Professors of Constitutional History and of Contracts in the Faculty of Law, by the Lecturer on Zoology in the Faculty of Science, and by the Professors of Hebrew and New Testament Greek in the Halifax Theological college, are recognized as qualifying for Arts degrees. And thus the work of this Faculty is really conducted by fourteen instructors. FACULTY OF ARTS

ber of years in mathematics. The Rev. Jas. McIntosh preceded him in that subject. Alexander Romans, one of the best classical scholars of his time, was professor of Classics from 1838-42. Rev. Thos. McCulloch, D. D., was from 1838 to '43 professor of Moral Philosophy. He was Dalhousie's first president, and in that time there was not a more respected man in Nova Scotia, and none who could have filled the position as ably as he did. The Instructors of To-Day. Of the present academic staff it is not saying too much to assert that there is not another university of the size of Dalhousie in Canada that has a staff superior to it; it is questionable it its surpased by some of the larger universities. The name of George Lawson, Dalhousie's Professor of Constitutional and International law, is a is to his party in the house of commons. In him, on the field of the constitution, the is to his party in the house of commons. In him, on the field of the constitution, the Hon. Edward Blake meets a forman

<text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text><text> George Lawson, Dhalousies Professor of Chemistry and Mineralogy, is known and respected by men of science the world of the constitution and the science of the

## PROGRESS, SATURDAY, DECEMBER 5, 1891.

higher departments of their subjects, to-gether with Trignometry; and that of the highest class to analytical and apherical Trig-nometry, analytical Geometry, theory of Equations, differential and integral calculus, and differential Equations, the illustrative problems being frequently chosen so as to give practice in the application of Mathe-matics to physical and astronomical ques-tions. courses. This examination is called the matriculation examination, because passing it is the condition which must be fulfilled before the student can enter his name on the Matricula, or roll of undergradu-ates, i. e. of students who are candidates for degrees. The standard and extent of the matriculation examination is deter-mined by the educational facilities afforded by the better class of academies and high schools in the province.

The subject of Physics there are three lecture classes. In the first, a: general and Electricity and Msgnetism being all discussed. Only very elementary mather matical knowledge is assumed, and the treatment is therefore largely experi-mental. In the second class, in a course extending over two years, the subject of Dynamics, Elasticity, Hyderdynamics, Heat and Electricity and Magnetism are treated with greater mathematical detail. In the third class, in a course extending also over two years, an introduction is given to the application of the higher mathematice assumed, and the treatment is therefore largely experi-mental. In the second class, in a course extending over two years, an introduction is given to the application of the higher mathematice as the study of a variety of literary philo-destinctive characteristic, which it shares of Dynamics, Elasticity, Hyderdynamics, Heat and Electricity and Magnetism are treated with greater mathematical detail. In the third class, in a course extending also over two years, an introduction is given to the application of the higher mathematice as sumentation, in the exam-tical class in which students are trained in the conducting of physical investigations. The resources of the Physical Laboratory are not great, when compared with the collections of apparatus to be found in

cine. The B. A. and B. L. courses are not rendered less liberal by the inclusion of these subjects, but they are rendered more practically modal. The anuber of classes from which electives may be chosen is very large, considering the comparative small-ness of the teaching staff. The variety of the courses leading to the above degrees is correspondingly great in so much that few students follow the same course in working for their degrees. There is one incidental atvantage in this which may be mentioned, viz. that while the students of any one paser are brought together in the prescribed classes to a sufficient extent to develop an *esprit de course*, they are in the elective classes associated with students of other years, and thus the antagonism and jeal-ousy which sometimes arise between the different grades of students is necessarily classes, who gains distinction in the work of a number of classes in related subjects is warded a degree "with general distinc-tion."

who are also members of the facult arts, and four lecturers. In addition, ever, the classes conducted by the p fessors of physiology, anatomy and he ogy in the Halifax Medical College, and the three instructors in drawing in a Victoris School of Art and Design, recognized as qualifying for degrees : thus the studies of this faculty are re-

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Two EXTREMES IN-being either lover-with carcelui though fancies. Indeed, m costly gifts vulgar, they can be recogn a debt impossible The tailor-made have always with u is to segregation it tailor-made was se keeps almost to th darme blue cloth, glove-fitted, espec for trimming and along all its seam The hat worn with trimmed, and is its perky upstan gown shows what

A RED CA a sport for the away from simpl stuff is cloth with are of the riches wet, which for corsage and the wrought all ove beautifully with There is noth New styles, so o well known old the Louis XV. dressers, who stocking to mat is embroidery near it, pearl black, steel and of gray, and go The fancy for



SHORT COURSES.



Alexander P. Reid, M. D., C. M. (Mor Gil), L. R. C. S. (Edin.), L. C. P. and S. Can., Supt. Hospital for Insane, Exam-iner in Medical Jurisprudence. Arthur Morrow, M. B., C. M. (Edin.), Examiner in Physiology and Histology. Mover on Classics. M. A. Curry, M. D. (Univ. N. Y.), Examiner in Obstetrics and Diseases of Women and Children. Murray McLaren, M. D., Examiner in Physiology and Histology. A. H. MacKay, B. A. (Dal.), B. Sc. (HX.), F. R. S. C. Lecturer on Zology. Martin Murphy, D. Sc. (Vind.), C. (HX.), F. R. S. C. Lecturer on Zology. Martin Murphy, D. Sc. (Vind.), F. G. S. F. R. S. C. J. Lecturer on Zology. Martin Murphy, D. Sc. (Vind.), C. Frovincial Government Engineer, Lecturer on Mining. F. W. W. Doane, C. E., Halifax Citz-Brigneer, Lecturer on Surveyn. Lecturer on Mining. F. W. W. Doane, C. E., Halifax Citz-Sergeant Kelly, Instructor in Gymnas-is. Conducted by the four faculties of arts, science, law, and medicine. The Faculty of Arts has recently been extended an made an independent body. The Faculty of the student to make a thorough study of science in 1883 in consequence of the toundation of the Munro chair of Constitutional and International Law. The Faculty of Medicine was organized in 1883.

METHODS OF INSTRUCTION. The methods of instruction in the above classes vary of course with the subject. In general, courses of lectures are given and the students are referred to the best pub-lished discussions of the subjects under treatment. They are expected to possess the books most frequently referred to and to consult the others in the library. The class exercises are very different in different cases, taking the form of recitation of prescribed work, written and oral exam-mations, free discussion, preparation of ea-says, thesis or reports on assigned subjects, solution of problems, etc. In all cases students are encouraged by the award of class distinctions, has di-artly on the ordinary class work and partly on the ordinary class work and partly on the ordinary class or only use the ding suggested by the Professors. a mastery of subjects not treated or only partially treated in the classes.

## ADMISSION OF STUDENTS.

ADMISSION OF STUDENTS. The classes may be attended by all per-sons without restriction as to sex or race, and all the more elementary classes may be entered without any preliminary examina-tion. In the case of the advanced classes, only those are permitted to enter them who have shewn by the success of their previous studies that they have sufficient ability to do the work they involve. Students who aim at obtaining degrees, however, must pass a preliminary examination in school subjects before entering upon the degree

ORDINARY B. L. COURSE. In the ordinary B. L. courses German and French must both be taken for two years each, while the study of one or other must be pursued for at least three years. Only one year of mathematical study is re-quired But in other respects the courses for this degree are the same as for B. A. The choice of subjects begins in the courses for this degree in the second year, in which physics may be substituted for the second Mathematical class. In the third and tourth years the numbers of elective subjects are the same as in the B. A. course. PROFESSIONAL ELECTITES.

## PROFESSIONAL ELECTITES

PROFESSIONAL ELECTITES. Among the electives of these courses are included a sufficent number of the non-technical subjects usually included in Theological, Legal and Medical courses to emable the student, if he wishes it. to com-plete what is, formally at least, equivalent to one year of study in one or other of these professional departments. The elec-tives which are thus allowed are in all cases of liberal character. They are Heb-rew and New Testament Greek in the de-partment of Theology, Constitutional His-tory, Constitutional Law and Contrasts, in that of Law and Chemistry, Practical Chemistry and Botany, in that of Medi-

BHORT COURSES. Besides the various courses for degrees, the Faculty of Arts provides a number of students who are unable to take the full four years. One is a course of liberal study, a combination of literary, philosophical, historic and scientific classes. Another is more largely scientific. A third is in-tended tor journalists and includes such subjects as English and French literature, Logic, Political Economy, Ethics, Consti-tion and History, Constitutional Law. The to go into business; and includes French, German, English, Political Economy, and Elementary Science. These courses do not lead to degrees, but students who have completed them receive certificates to that effect. Tually evening: classes are occasionally conducted by members of the faculty for the benefit of artisans. MACULTY OF FURE AND APPLIED SCIENCE.

FACULTY OF PURE AND APPLIED SCIENCE. This faculty consists of seven professory

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and this is supplemented on the one side by a study of mental science and on the other by experimental science.
(2) The experimental science.
(2) The experimental science.
(2) The experimental science.
(3) The superimental science course is intended for students who aim at high teaching positions in chemistry or physics or who intend to engage in chemical industries. The main subjects are chemical provide the science of the subjects are supplemented by mathematics on the one side and applied physics and such subjects as mineralogy on the other.
(3) The science teachers for conducting the science departments of our common and high schools. Besides the literary studies referred to above it includes give years of mathematical training, a thording the science and physics, chemistry, botany, scology and mineralogy one year each in mental science and physicoly and a three years course in drawing, including free-hand, geometrical and shaded drawing, modelling in clay, decorative design and histology. The scourse is intended to prepare for entering upon the study of medical students' course is intended to prepare for entering upon the study of medical students' course is intended to prepare for entering upon the study of medicine. It includes among other subjects mathematics, physics, chemistry, botany and scology, together with human anatomy, physiology and histology. The course includes a tuly gers of the less technical of the subjects of the medical curriculum, and thus enables the student to shorten his subsequent medical curriculum, and thus enables the student to shorten his subsection. by obeca appointer to interpret themselves at Students who distinguish themselves at the examinations in the special courses are awarded degrees with honors in the depart-ment in which they studied. Medals also are offered and are awarded in cases of extraordinary distinction.

enables the statent to shorten his quent medical course to that extent. (5-7). The three engineering or designed for civil, mechanical and engineers, consist mainly of a th study of mathematics and physics, a consistence of the state to be

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