# The Galendar

## KING'S COLLEGE,

WINDSOR, NOVA SCOTIA,

. [Founded A. D. 1788.]



A. D. 1868.

PUBLISHED UNDER THE DIRECTION OF THE BOARD OF GOVERNORS.

HALIFAX N. S.

JAMES BOWES & SONS, HOLLIS STREET,

1868.

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## UNIVERSITY CALENDAR

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#### ACADEMICAL YEAR 1868-1869

1868.	September.
Sept. 7. 8. 8. 8. 14. 14. 125.	Michaelmas Term begins. Meeting of College Board. Welsford Commemoration. Cogswell Scholarship Examination. Cogswell Cricket Match.
	October.
Oct. 29.	Alumni Scholarship Examination.
7	Becember.
Dec. 2. 3.	Degree Examinations and Responsions
" 7. " 15.	Terminal Examinations begin. Michaelmas Term ends.
1869.	Junuary.
Jan. 18.	Lent Term begins
Mar. 15.	Torminal Examinations begin. Lent Term ends.
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April 5.	Easter Term begins.
	Way.
May 12. " 18. " 14.	Theological Examination.
June 1. " 15. " 16. " 21. }	Akins Prize Essays to be given in. Terminal Examinations begin. Degree Examinations begin.
" 22. § " 21.	Prize Examinations.  Matriculation.
" 22. " 28. " 24.	Collegiate School Examination. Annual Meeting of Associate Alumni. ENGENIA.
July 1.	guly. Academical Year closes.

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## KING'S COLLEGE,

WINDSOR, N. S.

In presenting to the friends and benefactors of King's College, Windsor, the usual calendar for the year 1868, the Governors feel that they need only state, in general terms, the quiet progress of the Institution in the various branches of knowledge taught within its walls, as in former years. The staff of Professors remains unchanged, and the number of students has not been less than the general average. The reports of the President and other officers which will be found in the appendix, will supply the reader with more particular information.

In the course of the year, the Governors were called to lament the loss by death of one of their number, the Rev. J. W. D. Gray, D. D., Rector of Trinity Church, St. John, N. B., who was one of the most distinguished alumni of the Institution, over the interests of which he had been twice elected to preside. As a scholar, an author, and a thoroughly furnished Divine, he reflected great credit on the place in which he received his education and on the land of his birth. It is proper also to record, in this connexion, the death of one of the oldest sons of the College, Dr. Robert Bayard, whose date on the matricula is as far back as 1803, and whose standing in the medical profession was as high as that of Dr. Gray in the ecclesiastical.

The removal of His Excellency Sir F. W. Williams from the government of the Province, has deprived the College of the presence and countenance of one, who proved himself its judicious and generous benefactor, by his foundation of three scholarships in branches of education especially important at the present time. The Governors regret that, among the students, competitors for only

two of these prizes were found, and they earnestly hope that such may not be the case in the current year.

The Collegiate School was opened in October last, under the charge of the Rev. G. B. Dodwell, M. A., Cantab., whose recommendations are of the highest order. From various causes the number of scholars in this long established Academy has been very small during the first term, but it is to be hoped that more will come forward at the re-opening on the 15th of August. The Governors feel themselves justified in advising all parents who desire for their sons the advantages of a good training in all the usual branches, including four of the modern languages, to send them at once to Mr. Dodwell, and this advice is strengthened by the conviction that in the domestic management the lady of the establishment will do her best to supply to the pupils the wants and comforts of their maternal home. The Governors feel that churchmen especially ought to patronize this academy, which, although entirely unfettered by religious distinction, is, and always has been, more especially connected, in its direction and management, with the Church of England. The zeal with which other denominations concentrate their energies on their own peculiar institutions is worthy of imitation by the members of the Church as regards their college and its affiliated academy. It between such that and planter

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#### APPENDIX

# UNIVERSITY, King's College, Windsor, A. S.

THIS University was originated and recommended by a Committee of the House of Assembly, November, 1787. It was founded by Act of Parliament in 1788, under the tile of "King's College, of Nova Scotia." And a Royal Charter was granted by King George III. in 1802.

#### PATRON.

HIS GRACE THE LORD ARCHBISHOP OF CANTERBURY.

#### BOARD OF GOVERNORS. 1868-9.

The Rt. Rev. Hibbert Binney, D.D., Lord Bishop of Nova Scotia, Visitor and President of the Board.

Ven. Archdeacon McCawley, D.D.

Hon. Mr. JUSTICE WILKINS, B.A.

S. P. FAIRBANKS, Esq., Q.C.

Rev. Canon GILPIN, D.D.

HUGH HARTSHORNE, ESQ., D.C.L.

BENJ. CURREN, Esq., D.C.L.

C. B. BOWMAN, Esq.

REV. T. MAYNARD, M. A.

H. PRYOR, Esq., D.C.L.

W.J. ALMON, Esq., M.D.

Rt. Rev. John Medley, D.D., Lord Bishop of Fredericton.

REV. E. E. B. NICHOLS, M.A.

J. C. HALLIBURTON, Esq., Treasurer.

Rev. Canon Cochran, M.A., Secretary.

## faculty.

President of the College.

The Ven. Archdeacon McCAWLEY, D.D.
Classics, Logic, Hebrew.

Professor of Divinity, including Pastoral Theology.

The Rev. Canon Hensley, D.D.

Professor of Chemistry and Natural History. HENRY How, Esq., D.C.L.

Professor of Mathematics, Natural Philosophy and Astronomy.

JOHN McLEOD, Esq.

Professor of Modern Enguages, viz., French, German, Spanish and Italian, also qualified to instruct in Drawing.

HENRY STIEFELHAGEN, Ph. D.

Librarian and Bursar.
Professor HENSLEY, D.D.

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## Scholarships.

#### THE WILLIAM COGSWELL SCHOLARSHIP.

£30 per annum, open to Candidates for Holy Orders. Under the direction of the Trustees:

Scholar-to be elected in September.

#### DIVINITY SCHOLARSHIPS.

Paid by the Society for the Propagation of the Gospel in Foreign Parts: open to Students for Holy Orders, actually requiring assistance; and subject to the control of the Bishop of the Diocese.

Ten in Number-£30 currency, per annum, each.

#### \*THE DR. BINNEY EXHIBITION.

£30 per annum. Open to Students in indigent circumstances, and of exemplary conduct.

In the year 1858, Miss Binney, sister of the present Visitor, and daughter of the late Rev. Dr. Hibbert Binney, in the name and on the behalf of her father's executors, handed over to the Governors certain stock, amounting to \$1000, to found an Exhibition at King's College, to be called the "Dr. Binney Exhibition," in memory of her said father.

The design of this Scholarship is to assist poor students who may require assistance, and who shall have commended themselves by their exemplary conduct, although their abilities and requirements may not qualify them to be successful competitors for an open scholarship.

TERMS.—On or before the last day of May in every year the College Board shall nominate two Students, in their third term at the least, whom they may deem best qualified, having regard to their poverty and the excellence of their characters; and the President shall forthwith transmit their names, together with a brief statement of their claims, to the Visitor, who shall select one of them to be the Exhibitioner, and to receive the interest accruing for the following year, commencing July 1st. Or, at his discretion, if he consider the claims of the two nominees to be equal, or nearly so, the Visitor may adjudge that the amount may be divided between them.

## Incorporated Alumni.

#### PATRON.

HIS EXCELLENCY MAJOR-GENERAL C. HASTINGS DOYLE, Lieutenant-Governor of Nova Scotia, &c., &c.

#### OFFICERS.

Benjamin Curren, Esq., D.C.L., President.
Frederick Allison, Esq., M.A., Vice-President.
Rev. Ferdinand Pryor, B. A.
Charles Gossip, Esq., M.D.,
W. J. Almon, Esq., M.D., M.A.
T. B. Akins, Esq., D.C.L.
Rev. Canon Cochran, M.A.
Rev. George W. Hill, M.A.
Rev. Wm. Bullock, A.B.
B. H. Collins, Esq., Treasurer.
Fitzgerald Cochran, Esq., Secretary.

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## Brizes.

THE McCawley Hebrew Prize of £9 sterling, open to all Members of the University who are below the standing of M. A., and who have not already gained the first premium in Hebrew.

#### THE BISHOP'S PRIZE

THE BISHOP'S PRIZE of £5 in books.

#### DR. COGSWELL'S CRICKET PRIZE.

Charles Cogswell, Esq., M.D., has made a donation of £100 to the Governors of King's College, the interest of which is to be expended in the purchase of a set of Cricket bats, balls, &c., to be given to the best player among the winning party of a Cricket match, to be contended for annually, on the College grounds, on some day in the month of September. "The object of the donation is to promote the health of the Students, and encourage them in the prosecution of their duties."

#### DR. ALMON'S WELSFORD TESTIMONIAL.

WILLIAM J. ALMON, Esq., M.D., has endowed King's College with £100, the interest of which is to be appropriated as a prize to be competed for every June, by matriculated students, in their first year. The prize is to be presented by the President in the College Hall, on the 8th September, being the anniversary of the attack upon the Redan, in which Major Welsford fell—on which day, in every year, his gallant and loyal deeds are to be commemorated in Latin.

If no candidate shall be deemed worthy of the prize, it will be appropriated to the purchase of books for the College library.

#### THE AKINS HISTORICAL PRIZE.

T. B. Akins, Esq., D.C.L., Barrister at Law and Commissioner of Public Records, has vested in the Governors, as Trustees, a sum of money sufficient to found a Prize of Thirty Dollars, annually, for the best Paper or Essay on the County History of Nova Scotia, embracing matter derived from local records, and traditions relating to the early and progressive history of each County. The prize to be open for competition to the whole Province. The Essays must be given in to the Secretary of the Governors on or before the 1st June, 1869. The decision on the merits of the Essays to rest with the Governors, or such person as they may appoint, and to be announced at the Encænia in June.

Each Essay is to be distinguished by a motto, and to be accompanied by a sealed paper, bearing the same motto on the outside, and containing the name of the writer. The subject for 1869 is King's County.

The Essays when given are the property of the College.

#### THE GENERAL WILLIAMS PRIZES.

Three of \$60 each, annually, during His Excellency's life, for the best scholar in:

- Mining and the Science of Mineralogy as it bears practically on these operations.
- Mechanics and Civil Engineering as they bear on all matters relating to railroads, motive power for them, and all other modern aids to the human hand.
- Languages of Modern Europe—German, but more especially French, as the almost universal medium of communication in Europe.

His Excellency has decreed that should no candidate be found duly qualified, the amount in that case, in any year, shall be applied to the purchase of books in that department for the College library.

#### PRIZEMEN, 1868.

E. GILPIN—The Welsford.

R. Shreve—Inorganic Chemistry.

S. Boyn-Mod. Lang.

The Akins Prize was awarded to E. H. Owen.

ALUMNI SCHOLAR.

E. H. OWEN.

ALUMNI CERTIFICATES.

Mathematics—F. Peters.

French-R. SHREVE.

Chemistry—Hamilton.

German- Do.

#### WILLIAMS PRIZEMEN.

R. Shreve-Mineralogy and Mining.

J. A. DICKEY—Mathematics and Engineering.

Not awarded—French and German.

#### BINNEY SCHOLAR.

R. SHREVE.

PROFESSOR McLEOD'S SILVER MEDAL.
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## Mominations.

THE following is the form of nomination of a Student to pass through the University, free of fees, and must be addressed to the Secretary of the Board of Governors:

Secretary of the Governors of King's College, Windsor.

I do hereby nominate (A. B.) to pass through the University, free of fees, by virtue of certificate No....., held by me. (C. D.) (Date.)

In case of a joint certificate, the above form must be complied with, and the same must be signed by all the holders.

Each nominee is exempt from the payment of yearly fees, amounting to more than £53 for the three years' course, including the fee for a B. A. degree. There being some eighty certificates conferring this privilege, it is easy for Students to obtain it. If a scholarship is held besides, nearly the whole yearly cost of education will be covered.

Properson is entitled to nominate a Student, unless he has paid up his subscription to the Endowment Fund. The Governors publish below the names of all who possess the right of nomination.

NOTE.—All nominated Students must, on taking up their residence in College, file their nominations according to the above form, with the Secretary of the Governors at Halifax. Otherwise, they will be charged with the full amount of fees.

T tion i Fund The I Heirs Heirs Rev. Heirs Heirs Rev.

A. M Hon. J. A. W. C Hon. Rev.

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Rev. P. Ly J. G. J. C.

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E. K Heirs The following persons possess, individually, a right of nomination in virtue of the contribution of £100 each to the Endowment Fund:

The Lord Bishop of Nova Scotia. Heirs of H. King, Esq. Heirs of Hon. H. H. Cogswell. Rev. R. Uniacke. Heirs of Sir Brenton Haliburton. Heirs of Rev. T. Crisp. Rev. Henry Sterns. A. M. Uniacke, Esq., D.C.L. Hon. J. W. Ritchie. J. A. Moren, Esq. W. Cunard, Esq. Hon. M. B. Almon. Rev. G. Townshend. C. B. Bowman, Esq. Dr. Benjamin Fraser. Heirs of J. L. Darrow. Jabish Snow, Esq.

T. C. Kinnear, Esq. Heirs of James Scott, Esq. Hon. R. B. Dickey. Edward Archbold, Esq. Admiral Bayfield. Major J. P. Beete. H. Haszard, Esq. W. J. Almon, Esq., M.D. Charles Cogswell, Esq., M.D. Edward Binney, Esq. Hon. Enos Collins, having contributed £1000, has a right to ten nominations. But of these he has transferred five to Rev. George W. Hill, to whom the patronage belongs.

The following persons whose names are included in the several divisions, have, in each case, jointly contributed £100 to the Endowment Fund; and all the parties must concur in a nomination, which can only be held by one Student at a time:

Heirs of Rev. James Stewart. Heirs of Law. Hartshorne, Esq. Hugh Hartshorne, Esq. Henry Pryor, Esq. Richard Tremain, Esq.

Rev. W. Bullock.
P. Lynch, Esq.
J. G. A. Creighton, Esq.
J. C. Allison, Esq.

Heirs of J. C. Cogswell, D.C.L. Dr. C. Cogswell. Miss Cogswell.

Joseph Wier, Esq.
Alex. T. Creighton, Esq.
E. K. Brown, Esq.
Heirs of Benjamin Wier, Esq.

Robert Davis, Esq. W. Rennels, Esq. Edgar Dodson, Esq. John Silver, Esq.

Nepean Clarke, Esq., P. C. Hill, Esq., D.C.L. Rev. George W. Hill.

J. J. Sawyer, Esq. Heirs of Hon. W. A. Black. Judge Wilkins. Heirs of J. B. Uniacke, Esq.

Edw. Albro, Esq., Heirs of Wm. Lawson, Esq.

Mrs. Stephen Boggs. Captain W. Lyttleton.

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Arthur Woodgate, Esq. Wm. Hare, Esq. John H. Harvey, Esq. S. A. White, Esq.

Rev. T. Maynard. Henry Boggs, Esq.

James Cochran, Esq. Arthur M. Cochran, Esq. Heirs of George Cochran. Alex. Cochran, Esq.

Heirs of Charles Shaw. W. B. Mumford, Esq. Nelson Wollaver, Esq. C. Mumford, Esq.

Rev. Thomas White. Cornelius White, Esq. Joshua Snow, Esq. Charles Bruce, Esq. W. J. Bell, Esq.

J. W. Merkel, Esq. Robert Fretwell, Esq. Joseph Whitford, Esq. Thomas Whitford, Esq.

T. W. Harris, Esq. Heirs of C. W. H. Harris. Rev. Henry H. Hamilton. Edw. L. Brown, Esq., M.D.

Rector of Cornwallis and Horton. Richard Starr, Esq. George A. Allison, Esq. Chas. C. Hamilton, Esq., M.D. Rector and Church Wardens of the Parish of St. Luke, Annapolis, for the time being.

C. P. Jones, Esq.
St. Clair Jones, Esq.
The Rector of the Parish of Weymouth for the time being.

Dr. Joseph B. Bond. W. H. Moody, Esq. E. W. B. Moody, Esq. Rev. J. T. T. Moody. Dr. Joseph Farish.

James E. Barss, Esq. George W. Barss, Esq.

William Cowie, Esq. Andrew Cowie, Esq. Alexander Cowie, Esq.

Rev. Richard Avery. Edmund Palmer, Esq. John Palmer, Esq. John Orpin, Esq.

Heirs of Jane Totten. Heirs of Eliza Henderson.

Rev. R. J. Uniacke, D.D. Richard Brown, Esq. W. J. Almon, Esq., M.D. James Murray, Jr., Esq.

Rector and Church Wardens of St. James' Church, Pictou.

W. H. Davies, Esq. D. A. Dickson, Esq. Heirs of Neil Mackay. Rev. J. Forsyth. W. R Heirs Rev.

Charle C. E. Hon. Rev.

> Heirs James Alfred Benja

Rev. Rober Charle

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Rev. Franc Henry

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lsq. Vardens of Pictou. W. R. Cutler, Esq. Heirs of Major Benison. Rev. R. F. Brine.

Charles J. Stewart, Esq. C. E. Ratchford, Esq. Hon. C. Hensley. Rev. R. Simonds.

Heirs of John Stubbs, James Murray, Jr., Esq. Alfred Atkinson, Esq. Benjamin St. Clair Purdy, M.D.

Rev. E. E. B. Nichols. Robert Roberts, Esq. Charles Morse, Esq. (Trustees.)

Heirs of Rev. J. M. Campbell. Do. of Walter Willet. Norman Ritchie, Esq. Rector and Wardens of Parish of Granville.

Rev. Edw. E. B. Nichols. Francis W. Collins, Esq. Henry G. Parish, Esq., M.D.

Heirs of Rev. T. C. Leaver. John Teas, Esq. Captain John Wier.

Elisha Randall, Esq.
Charles Leaver, Esq.
W. S. H. Morris, Esq.
The Rector of the Parish of Trinity, Antigonish, for the time being.

Heirs of Mr. Justice R. Parker. Robert F. Hazen, Esq. The Rector of St. John's Church, Colchester. Heirs of John Ross, Esq. Dr. Samuel Muir. Dr. Samuel Brown.

Heirs of Rev. J. W. D. Gray, D. D. Rev. W. Scovil. Rev. George Armstrong. Heirs of Rev. J. W. Disbrow.

Rev. C. J. Shreve. Heirs of George Mitchell, Esq.

Lieut.-Col. James Poyntz. Isaac Bonnett, Esq. Timothy Ruggles, Esq. J. H. Thorne, Esq.

Daniel Hodgson, Esq. John Longworth, Esq. Charles Palmer, Esq.

Rev. H. L. Owen.
J. H. Kaulback, Esq.
Hon. John Creighton.
The Wardens and Vestry of St.
John's Parish, Lunenburgh.

Heirs of Mrs. Sophia Braine. Rev. R. F. Uniacke, Wm. M. Harrington, Esq. Heirs of Wm. H. Marvin.

Rev. J. Storrs. Heirs of B. Legge, Rev. G. E. W. Morris. John P. Mott, Esq.

Theophilus Desbrisay, Esq. Daniel Davis, Esq. Albert H. Yates, Esq. Rev. Wm. Stewart.

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Ret. Oak, W. Morre, Walls John P. Meit, Esq. Heirs of Samuel D. Etter. Charles Morse, Esq. Moore F. Agnew, Esq. Rev. T. Jarvis.

## Extracts from the Statutes.

No Undergraduate shall resort to any inn, tavern, or public house, except for some special cause, to be approved by the President, or shall spend his time in the streets of the town.

All bills of the Undergraduates are to be sent by the tradesmen with whom the debts are incurred, to the Bursar, at the end of every term; and parents are particularly requested to refuse payment of any bills not thus sent in.

The introduction of spirituous liquors into the College is absolutely prohibited.

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## Collegiate School at Windsor.

UNDER THE CONTROL OF THE GOVERNORS OF KING'S COLLEGE.

The Collegiate School was re-opened in October, under Rev. G. B. Dodwell, M.A., Cantab., and is sgain in full operation. This School, in which there are now some remaining vacancies, is intended to furnish an education of the highest order, so as to prepare pupils for the University or for general or professional life. The Head Master is ably assisted in the different departments as heretofore. The comforts of home are kindly secured to the boys by Mrs. Dodwell, who has had much successful experience in this respect. Applications may be addressed to Rev. Mr. Dodwell, who will furnish a prospectus with every requisite information as to terms and course of instruction.

#### HEAD MASTER.

Rev. G. B. DODWELL, M.A.

#### TERMS.

BOARDERS-£45 per annum, everything included.

DAY SCHOLARS—£8 per annum.

Instruction in one or all of the four Modern Languages by Professor STIEFELHAGEN, £3 per annum.

#### VACATIONS.

From July 1 to August 15. From December 15 to January 15.

There are two exhibitions of £8 and £4 each, to be competed for annually. The first is open to the senior form, and the successful candidate must be qualified, though not required, to enter College. The second is open to the whole school. In both cases competitors must be of one year's standing.

There are, in connection with this school, six exhibitions, each £15 per annum, tenable for three years, to be given to the sons of clergymen, and to those who are designed for the ministry.

The Annual Alumni Prizes of £8 and £4 will be open for competition in June, 1869.

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#### Matriculation.

No restrictions are imposed with respect to the place of birth or education, or religious profession, of persons desiring admission.

Students are admissible to elective or special courses. They are examined in English Grammar and Composition, in the History of England, and in Geography, General and Colonial; in Vulgar and Decimal Fractions, and in an elementary book on Natural Philosophy and Natural History. Candidates for Matriculation undergo an examination to ascertain their competency for entering on the full University Course with advantage. They are examined in

Homer, first book Iliad; Xenophon's Anabasis, first book; Cicero pro Archia; Horace, first and second books;

Grammatical Analysis, Prosody and Latin Composition, Greek and Roman History, and in the English subjects required of *elective* students. In Mathematics they are examined in

Euclid, first two books; Vulgar and Decimal Fractions and Proportion; Algebra to Quadratics.

Credit will always be given to such Matriculants as pass well in Modern Languages.

## Besidence.

Students either reside in College, or obtain a dispensation designating the houses in which they are permitted to lodge. The same opportunities of instruction are offered them in both cases.

## Arrangement of Studies.

The daily lectures for the Undergraduate Course commence at 10 A.M., and are continued till 3½ P.M. The course of instruction is so arranged as to embrace the successive study of the best Classical Authors, the Hebrew Language, Logic, Rhetoric, and Ethics; the several parts of Mathematics, Natural Philosophy and Astronomy; Chemistry and Natural History. The Modern Languages, comprising German, French, Italian and Spanish Literature and Conversation, are practically taught. All the students are instructed in the Greek Testament, in Bible History and the Evidences; and separate classes are formed for such members of the University as desire instruction in Systematic Divinity and Pastoral Theology, with a view to entering on the ministry of the Church.

#### Classics.

The Classical Authors selected for study are, in History, Herodotus, Thucydides and Xenophon, Livy and Tacitus; in Oratory, Demosthenes and Cicero; in Poetry, Homer, Euripides, Sophocles, Æschylus, and occasionally Aristophanes and Pindar, Virgil, Horace, Juvenal and Lucretius. The treatise of Aristotle on Ethics, Rhetoric and Poetics, with those of Cicero de Officiis and de Oratore, de Amicitia and de Senectute, and the Comedies of Terence or Plautus, are sometimes read.

#### Logic.

The Logical course comprises Simple and Complex Apprehension, Judgment and Reasoning, expressed by corresponding Terms, Propositions and Syllogisms explained and exemplified. The legitimate construction of Syllogisms is carefully taught. The inductive and demonstrative methods of reasoning are considered, with the several kinds of evidence adapted to the different descriptions of subjects, mathematical and moral, or probable. During this course, as in most of the others, the Student is duly informed of the valuable matter to be found in the works of the ancient and modern writers.

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#### Exercises.

Various subjects for exercises in writing in connection with the several courses of lectures are proposed to the Students; as also a weekly thesis for an Essay to be written in English and Latin, alternately. A term exercise is also invariably required.

#### Rebrew.

EVERY Student who desires it, has an opportunity of acquiring a thorough ground work in Hebrew during his undergraduate course; and it may be much extended after passing his degree examination.

## **A**athematics, Yatural Lhilosophy, and Astronomy.

ALGEBRA is studied from the commencement of the first year, until Quadratic Equations have been passed. Euclid is commenced at the same time, and continued to the end of Book VI., the class reciting a certain number of propositions which they have prepared beforehand, and the Professor supplying such explanation and amplification as are to be found in the best commentaries on Euclid's text. To this is added the solution of geometrical exercises.

A knowledge of the principal rules of Arithmetic, including Vulgar and Decimal Fractions and Proportion, is assumed to be possessed by all Students in the first instance; and without it they cannot be expected to attend the mathematical lectures with advantage. A few hours in the early part of the course, which are all that can be spared for this subject, are devoted to an examination of the principles of Arithmetic, and to the working of a few examples. The use of Logarithms is then entered upon, and is illustrated by a variety of applications, with the view of enabling Students to attain ready command of this important instrument of calculation.

Trigonometry is then commenced, the practical part being carried as far as the more complicated problems usually to be met with in works on the subject, while enough of the theory is taught to establish the proofs of all the rules for solution of triangles. The more important problems in Mensuration are also studied both theoretically

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e met with in taught to estaes. The more both theoretiA few lectures on the popular portions of Mechanics and Astronomy are given in the first year. Towards the end of the second year, when the Trigonometrical course has been concluded, the former subject receives a large share of attention; Statics and Dynamics, with the elements of Hydrostatics, occupying two hours a week for two or three terms.

Some of the more advanced Students are exercised in the higher parts of Algebra, and of Analytical Trigonometry. Co-ordinate Geometry (including Conic Sections), and the Differential and Integral Calculus, also occupy a considerable portion of time during the third year.

#### Chemistry.

THE instruction in Chemical Science consists in :-

lst.—A course of Class Lectures on General Chemistry, Theoretical and Applied: these are to a great extent, Catechetical; experiments are constantly performed before the class, and specimens of chemical preparations are exhibited, illustrating amply the subjects under discussion.

Chemical Physics form a considerable part of this course; and the Chemistry of Mineralogy is illustrated as much as possible by reference to Nova Scotian Minerals, of which specimens are regularly brought forward for examination. The course extends through four terms.

2nd.—A course of Laboratory Instruction in Analysis, Qualitative and Quantitative, and in the preparation of Reagents and other substances. Written exercises are prescribed in Notation, Equations, and Quantitative problems. There is no class; each Student is furnished with a set of analytical apparatus, has the use of the larger apparatus of the laboratory when necessary, and performs his experiments under the superintendence of the Professor.

#### Natural History.

CATECHETICAL lectures are held in :-

Physiology, chiefly Human, illustrated by Diagrams; Botany, illustrated by Living and Dried Plants; Geology, illustrated by collections of Rocks and Fossils of Nova Scotia and other countries.

## Modern Languages.

THE German, French, Spanish, and Italian Languages are carefully taught. Extracts from the literature of the best writers in each are read with grammatical precision, and the conversational and epistolary styles are practically exemplified.

#### Divinity and Lastoral Theology.

GENERAL lectures are delivered every Sunday evening on the Greek Testament and Scripture History, which are attended by all the Students in their first and second years.

The special course laid down for Divinity Students extends over a period of four years at least, and embraces the different branches of Theology, Exegetical, Systematic, Historical and Pastoral, together with Ecclesiastical History and Polity.

During the undergraduate course in the first year the attention of the Students is confined principally to the Greek Testament; the Acts of the Apostles, and one or more of the Gospels, forming the subjects of the lectures.

In the second year some of the Epistles of St. Paul are carefully read in the original; and lectures are delivered on the Evidences of Christianity, the Literary History, Criticism, and Interpretation of the Scriptures, and Biblical Archæology.

The third year is occupied in the study of Ecclesiastical History in general, and that of the Church of England in particular. To this is added a thorough Analysis of the Liturgy of the Church of England, and a review of the changes which it has undergone. The XXXIX Articles are committed to memory in Latin and English, proved from Scripture, and briefly explained.

In the fourth year the study of Systematic Divinity is steadily pursued. Browne's Expositions of the Articles, Pearson on the Creed, Butler's Analogy, and similar works are carefully studied, and form the text-books of lectures. To these are added Hooker's Ecclesiastical Polity, Church History and Christian Antiquities. The Epistles of St. Paul to Timothy and Titus, and other portions of the Greek Testament are read, the best critical apparatus being employed in their elucidation. When time allows, some of the works of the Fathers of the Christian Church, such as the Epistle of Clement, the Confession of Augustine, Chrysostom on the

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Priesthood, and the "Cur Deus Homo" of Anselm, are perused in the original.

Lectures are given in Homeletics, and the students are practised in the preparation of outlines of discourses, as well as in the actual composition of sermons. Practical instruction is regularly given in reading the Service and the Holy Scriptures, the management of Sunday-Schools, and occasionally in the general duties of a Parish. Those who desire it have also an opportunity of attending lectures in Hebrew. Great advantages are afforded by the excellent collection of Theological works contained in the Library, to which all have access. Besides the regular lectures, suitable books are recommended for perusal, and Students are encouraged to remain beyond the four years, a privilege of which they frequently avail themselves.

#### Church and Chapel.

EVERY Student is required to attend the regular services, morning and afternoon, on Sunday at the Church, on the other days of the week in the College Chapel. To Students who are not members of the Church of England, permission is given to attend their own places of worship on Sunday, and they are required, at the end of each Term to exhibit to the President certificates of regular attendance from their respective Pastors.

The practice of Sacred Music is cultivated regularly in connection with the Chapel Services.

#### Discipline.

A meeting of the College Board is held regularly every Monday in term, for a review of the performance and conduct of the Students during the preceding week.

#### Library.

THERE are several thousand books on the shelves, but the number by no means gives an adequate idea of their value. Contrary to what is generally the case in such large collections, this Library contains very few volumes which would not be looked upon as valuable, while some of the works are very rare, and to be procured only at large prices. The Theological Department comprises fully one-third of it, and contains some of the best standard authorities. The deficiencies in this respect have been in part supplied through the benefactions of T. B. Akins, Esq., and E. Binney, Esq., ample scope being left nevertheless for the liberality of other friends of the University. It would be very desirable to have a choice selection of works bearing on the controversies of the day, as well as a few of the principal periodicals. The Governors have lately authorised the annual purchase of some Scientific Periodicals of the highest standard merit. The Classical Department, containing many scarce copies of Latin and Greek' authors, might be advantageously augmented by a uniform edition of the Classics, and a series of the publications of the best modern critics and annotators. Good books of reference, too, are much needed. In Science the Library contains several of the most eminent treatises, but it is still deficient in many essential branches. In History and General Literature the collection is good, though incomplete; but, in English Poetry, there are scarcely any of the writers of the present century; a want which, it is hoped, will not be long permitted to exist. In the languages of modern Europe the catalogue is very meagre; the works of Schiller and Gethe in German, and of Lamartine and Voltaire (Historical) in French, being almost the only books in these languages likely to attract the attention of Students. The College must look to the Alumni, and other friends, for a supply of interesting works of standard merit to encourage proficiency in the Modern Languages.

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of Students. The nds, for a supply of e proficiency in the The addition of Minerals, Fossils, and Zoological specimens noted from time to time in the periodical reports, obtained by collections, donations and exchanges, have greatly increased the value of the College Cabinets. It is hoped that when properly displayed and arranged in the new Hall, these illustrations of the Natural History of Nova Scotia, and other parts of the world, will be not only of service to students, but of attractive interest to visitors. Of apparatus used in Physical Science, a tolerable collection has been in the College for many years, and, while the actual state of all experimental science demands the effectual and continued assistance of generous friends of scientific education, the leading principles of the various sections of Physics can still be illustrated. Very desirable additions would be a Ruhmkorff's Induction Coil, a Spectroscope for Spectrum Analyses, some Dialysing Apparatus, and a useful Microscope.

#### Laboratory.

Replacement and additions of Apparatus, useful in illustrating the yearly course of Chemical lectures, and in the study of Practical and Analytical Chemistry, have been continually made during the last few years. Numerous preparations of Chemical substances, many of them made in the Laboratory, have been placed upon the shelves. It is under consideration to convert a portion, at least, of the present Library, into a Lecture Room and a Laboratory, for the purpose of increasing the facilities in this important department.

## Astronomical and other Instruments.

Large sums have been expended on this department. There are some fine Astronomical Instruments, including, among several others, Ramsden's Altazimuth, Transit, Sextant and Artificial Horizon, one of Carey's best and largest Telescopes, a Planetarium,

Whirling Table, Solar Microscope, and large Globes.

The revolving building erected to answer the purpose of an Observatory is found very serviceable, being well adapted for the instruments in use. The apparatus for Surveying is, however, incomplete. A Levelling Instrument, another good Theodolite, and an Azimuth Compass, are much needed. The Mechanical apparatus is sufficient for exhibiting the principal laws of Statics and Dynamics, comprising sets of pulleys and levers, illustrations of centrifugal force and motion of projectiles. Some additions in this department would be very desirable, none having been made for many years.

The two instruments for observing atmospheric electricity, which were furnished, one of them by the liberality of Edward Binney, Esq., and the other by the Royal Society of London, have been in

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constant use by the Professor.

## B. A. Degrees.

EVERY candidate for the degree of B. A. must have passed an examination called Responsions, in or between his fourth and sixth terms; the subjects being intermediate between the Matriculation and Degree examination. There are two classes, first and second.

Degrees may be taken either with or without honors. There are two classes of honors, and two of ordinary degrees. In each department the subjects of examination are regulated by the degree sought.

#### RESPONSIONS.

CLASSICS.—Owen, Shreve, Harding, Boyd, Armstrong, MATHEMATICS.—Owen, Armstrong, Shreve, Harding, Boyd.

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## TERMINAL EXAMINATIONS.

CHRISTMAS, 1867.

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#### SCHOLARS.

Mr. Wheelwright has been elected "Binney Scholar." The Almon "Welsford Testimonial" was presented to Mr. Owen, who was also elected to "The Alumni Scholarship."

#### SUMMARY OF STUDIES.

IN CLASSICS.—Sophocles, Thucydides, Herodotus, Homer, Juvenal, Horace, Tacitus, Cicero.

IN HEBREW.—Grammar and Heb. Bible continued.

In Theology.—Greek Text, Gospel St. Luke, Acts, Epist. Rom. and Cor., Eccles. Hist., Compendm. Theolm., Robertson's Ch. Hist., Browne's Expos. Arts., Pearson on Creed, Graves on Pentateuch, Greswell's Dissertations, Gresley's Ecclesiastes Anglicanus.

In Mathematics.—Algebra, Euclid, Plane Trigonometry, Statics,

Kinetics.

IN CHEMISTRY.—Organic Chemistry, with illustrations of experiments and chemical preparations; Practical Chemistry with regular course of testing and making preparations; Chemical Physics, a complete course illustrated by the apparatus for Heat, Light, Elec-

tricity and Magnetism.

In Modern Languages.—Three classes in French have studied the elements and grammatical forms and some of the most important points of syntax. They have read some good selections as well as familiar conversations by Peschier, and have written exercises constantly in exemplification of the lectures. There have been also two classes in German, in which the usual text books have been employed, and the appropriate instruction continued.

SUBJECTS FOR ALUMNI SCHOLARSHIP.—Tacitus de moribus Ger-

manorum.

Virgil 2nd book Æneid.

Herodotus, 60 chapters of 1st book.

Sophocles, Ædipus, Tyrannus.

History, Geography, Composition, Prosody, Grammar.

Professor How has received the following very acceptable letter from Mr. H. S. Poole, who distinguished himself in his scientific studies while with us:

LITTLE GLACE BAY, Dec. 9th, 1867.

It was only by the last mail from England I heard that I had successfully passed my examination at "The School of Mines," in London. In Natural History I stood first, in Mining second. These satisfactory positions give me the honour to subscribe myself, with kind regards, yours faithfully,

HENRY S. POOLE,

Associate of the Royal School of Mines.

PROFESSOR How, D.C.L., Prof. Chem. and Nat. Hist, K.C., W.

#### COGSWELL SCHOLARSHIP.

SEPTEMBER, 1868.

Bible History—Genesis. Greek Testament—Ep. to Philippians. 39 Articles, especially Art. VI.

Candidates must be 19 years of age, and communicants of the Church of England.

#### BENEFACTIONS.

Her Gracious Majesty the Queen—2 vols with Autograph, &c.,
"Early Life of the Prince Consort;" "Life in the Highlands."

Bishop of Nova Scotia—Trench on Synonyms; Trench on Miracles; Tregelles on Text of G. T.

M. M. Jackson, Esq—Diplomatic Correspondence, United States, 4 vols.

Judge Bliss—Bishop South's Prælections. S. P. Fairbanks, Esq—Acadian Geology. Rev. D. Moore, 2 vols. Old Literature.

Smithsonian Institute-vol. 15.

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Dr. Akins—Reports Religious Societies; 115 vols. of old and very valuable books, with catalogue.

Tablets of Skeleton—by B. S. Albims, from the late Dr. F. Morris, through the Secretary.

"Vox Ecclesiæ," from the author.

A complete set of the Mathematical Works published by McMillan & Co., of Cambridge, has been added to the library. This collection amounts to about 30 volumes.

In thankfully acknowledging the kindness of those gentlemen who contributed for the purchase of these books, the liberality of the publishers, who allowed a considerable reduction on the published price, deserves grateful mention. Nearly all the students in College gave contributions, and in addition we had subscriptions from Professor Macleod, Edw. Dimock, Esq., Windsor, J. Pellows, Esq., do.; C. B. Bowman, Esq., do.; Dr. Fraser, do.; William Dimock, Esq., do.; J. Shaw, Esq., do.; C. Dimock, Esq., do.

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## University Examinations.

GENERAL WILLIAMS' PRIZE.

Examiner :- Benjamin Curren, Esq., D. C. L.

I.

Traduisez en anglais :--

A.

L'espèce humaine suit une ligne progressive dans la civilisation, alors même qu'elle semble rétrograder. L'homme tend à une perfection indéfinie. La société en avançant accomplit certaines transformations générales; et nous sommes arrivés à l'un de ces grands changements de l'espèce humaine. Les fils d' Adam ne sont qu'une même famille qui marche vers le même but. Les faits advenus chez les nations placées si loin de nous sur le globe et dans les siècles-ces faits qui jadis ne réveillaient en nous qu'un instinct de curiosité-nous intéressent aujourd'hui comme des choses qui nous sont propres, qui se sont passées chez nos vieux parents. C'était pour nous conserver telle liberté, telle vérité, telle idée, telle découverte, qu'un peuple s'est fait exterminer; c'était pour ajouter un talent d'or ou une abole à la massee commune du trésor humain qu'un individu a souffert tous les maux. Nous laisserons à notre tour les connaissances que nous pouvons avoir recueillies à ceux qui nous suivront ici-bas. Sur des sociétés qu' meurent sans cesse, une société vit sans cesse; les hommes tombent, l'homme reste debout, enrichi de tout ce que ses devanciers lui ont transmis, couronné de toutes les lumières, orné de tous les présents des âges; géant qui croît toujours toujours, toujours, et dont le front montant dans les cieux, ne s'arrêtera qu'à la hauteur du trône de l'Eternel.

B

Ainsi mourut cette reine, légère dans la prospérité, sublime dans l'infortune, intrépide sur l'échafaud, idole de cour mutilée par le peuple, longtemps l'amour, puis l'aveugle conseil de la royauté, puis l'ennemie personnelle de la révolution. Cette révolution, elle de sut in la prévoir ni la comprendre ni l'accepter; elle ne sut que l'agacer et la hair. Elle se réfugia dans une cour, an lieu de se précipiter dans le sein du peuple.

Le peuple lui voua injustement toute la haine dont il poursuivait l'ancien régime. Il appela de son nom tous les scandales et toutes les trahisons des cours. Toute-puissante, par sa beauté et par son esprit, sur son mari, elle l'enveloppa de son impopularité et l'entraina, par son amour, à sa perte. Sa politique vacillante suivant les impressions du moment, tour à tour timide comme la défaite, téméraire comme le succès ne sut ni reculer ni avancer à propos, et finit par se convertir en intrigues avec l'émigration et avec l'étranger.

C,

D. D. Rodrigue, as-tu du cœur?
D. R. Tout autre que mon père
L'éprouverait sur l'heure.
D. D. Agrichle celère!

D. D. Agréable colère!
Digne ressentiment, à ma douleur bien doux!
Je reconnais mon sang à ce noble courroux;
Ma jeunesse revit en cette ardeur si prompte.
Viens, mon fils, viens, mon sang, viens réparer ma honte;
Viens me veuger.

D. R. De quoi?

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D'un affront si cruel,
Qu'à l'honneur de tous deux il porte un coup mortel;
D'un soufflet. L'insolent en eût perdu la vie;
Mais mon âge a trompé ma généreuse envie;
Et ce fer, que mon bras ne peut plus soutenir,
Je le remets au tien pour venger et punir.
Va contre un arrogant éprouver ton courage:
Ce n'est que dans le sang qu'on lave un tel outrage;
Meurs, ou tue. Au surplus, pour ne te point flatter,
Je te donne à combattre un homme à redouter;
Je l'ai vu tout sanglant au milieu des batailles,
Se faire un beau rempart de mille funérailles;
J'ai vu par sa valeur cent escadrons rompus;
Et, pour t'en dire encor quelque chose de plus,

Plus que brave soldat, plus que grand capitaine, C'est...

D. R. De grâce, achevez.

D. D. Le père de Chimène.

#### II.

#### QUESTIONS GRAMMATICALES.

1.—Ecrivez le présent de l'infinitif, le participe présent, et le participe passé des verbes qui suivent : Accomplit, souffrir, meurent, vivre, croître, suit.

2.—Quel est le féminin des adjectifs suivants:—Ancien, malin, moqueur, bref, sec., faux, frais, roux, public, pareil, complet?

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3.—Qu'y a-t-il à dire des adjectifs nu, demi, et feu?

Traduisez en français:—"He goes bareheaded and barefooted."
"Half an hour." "An hour and a half." The late queen, my late

4.—Donnez le pluriel des substantifs qui snivent:—Ail, chou, nez, fils, voeu, clou, travail, bal.

5.—Comment ciel et oeil, font-ils le pluriel?

6.—"Des choses qui nous sont propres, qui se sont passées chez nos vieux parents"—"les connaissances que nous pouvons avoir recueillies"—"enrichi de tout [ce que ses devanciers lui ont transmis" (Voyez I, A). Expliquez pourquoi "passées" et "recueillies" sont au pluriel et au féminin, et pourquoi "transmis" reste invariable.

7.—Quel auxiliaire, les verbes pronominaux empruntent-ils, pour

former leurs temps composés?

Traduisez en français :—"He did not get angry." "He laughed at my reproaches." "How often we sat under those trees!" "You did make haste."

8.—Quelle 'différence y a-t-il entre le participe présent et l'adjectif verbal en ant?

9.—Quand tout est-il adverbe, et dans quel cas varie-t-il?

Traduisez:--" She is quite astonished" (étonnée). "She is quite astounded" (stupéfaite).

10.—Ecrivez la seconde personne du singulier et du pluriel de l'impératif négatif de "se fâcher" et "s'asseoir."

Comment diriez-vous en français:—"Do not get angry." "Do not sit down here." "Are you not mistaken?"

11.—Comment traduiriez-vous:—"It is more difficult than he thinks."
"I am afraid it will rain." "More than ten French vessels have entered and left our harbour within a fortnight."

12.—Traduisez en français:-

An, cum statuas et imagines, non animorum simulacra, sed corporum, studiose multi summi homines reliquerint; consiliorum relinquere ac virtutum nostrarum effigiem non multo malle debemus, summis ingeniis expressam et politam?

#### III.

Translate the following letter into French:

MY DEAR SIR,-

I recollect that when I was in the habit of visiting France, all my acquaintances were desirous at my return to hear my opinion of the French. A residence of some years in different parts of that country, frequent journeys from the Channel to the Mediterranean, and from Strasbourg to Bordeaux enabled me to form an opinion, and I am happy to say a very favourable one. I have experienced the greatest civility from the French, and have formed friendships which, I am sure, life only will terminate. The higher classes are extremely polite, communicative and easy of access; their civility to foreigners makes them appear very amiable.

Believe me to be, Yours very truly,

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#### GENERAL WILLIAMS' PRIZE.

#### CERMAN.

#### Examiner: - JAMES LIECHTI, Esq.

1.—Decline in the four cases, singular and plural, Der groose Mann; Eine glückliche Familie; Reiches Land; and translate, "I went to the Exhibition with two American friends."

2.—Form the comparative and superlative of, gross; hoch; viel; gut; and explain by short examples the use of der schönste, and am schönsten.

3.—Write in full letters the following numbers: 317, 990, 1867. Render into German, "My brother left for (reiste—nach,) Germany on the 2nd of May."

4.—Give the four cases singular of *Ich*; *du*; *wer*. Write in German, "Whose work (*das werk*) are you reading? He who lives contentedly (*zufrieden*,) is happy."

5.—State which verbs reject the syllable "ge" in the past participle.

6.—How many kinds of compound verbs are there in German? what is the construction peculiar to each, and how are they to be accented?

7.—Name the three persons singular of the present indicative, and the past participle of finden, versprechen, ankommen;—also the infinitives of gethan, verstanden, ausgesprochen.

8 .- Für, von, auf, mit, in, während, nach, hinter.

Which of these prepositions govern one, and which two cases? When are the latter to be used in the one, and when in the other case? Illustrate by short examples.

9.—Contract the following prepositions with the definite article: an, auf, in, für, von, zu.

10.—Show by two examples, how the passive voice is rendered in German, and account for the different expressions.

11.—In oblique narration, what mood has the verb to be used in? Translate: He told me that his brother spoke English.

12.—Translate into English, from Schiller's "Taucher":

"Und stille wird's über dem Wasserschlund,
In der Tiefe nur brauset es hohl,
Und bebend hört man von Mund zu Mund:
'Hochherziger Jüngling, fahre wohl!'
Und hohler und hohler hört man's heulen,
Und es harrt noch mit bangem, mit schrecklichem Weilen."

"Und wärfst du die Krone selber hinein Und sprächst: Wer mir bringet die Kron, Er soll sie tragen und König sein! Mich gelüstete nicht nach dem theuren Lohn, Was die heulende Tiefe da unten verhehle, Das erzählt keine lebende, glückliche Seele."

13 .- Translate into English :-

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"Gerade so wie ich tritt ja Odysseus unerkannt in den Hof des Eumäos, seines alten Dieners. Dieser sitzt auch im Vorhause in dem umschatteten Platze, weis't die Hunde zur Ruhe, und nachdem er dem Fremden einen hohen Sitz von weichen Fellen bereitet hat, heisst er ihn Platz nehmen, und setzt ihm Wein und Speise vor. Und da sich Odysseus der freundlichen Bewirthung erfreut und dem Geber Segen dafür wünscht, sagt dieser: Es ist mir nicht gestattet einen Fremden zu verachten; denn alle Fremden und Armen stehen unter Obhut dur Götter."

"Freudlos in der Freuden Fülle, Ungesellig und allein, Wandelte Kassandra stille In Apollo's Lorbeerhain. In des Waldes tiefste Gründe Flüchtete die Seherin, Und sie warf die Priesterbinde Zu der Erde zürnend hin: Alles ist der Freude offen, Alle Herzen sind beglückt, Und die alten Eltern hoffen, Und die Schwester steht geschmückt. Ich allein muss einsam trauern, Denn mich flieht der süsse Wahn, Und geflügelt diesen Mauern Seh' ich das Verderben nahn."

#### 14.—Translate into German:—

MY DEAR FRIEND,-

According to my promise I hasten to write to you from Paris. I arrived here safely with my friends yesterday afternoon, and have already seen a large part of this immense city, which is one of the finest in Europe. As this is my first voyage across the Atlantic, you may imagine that every object I see, interests me greatly; the most interesting, however, will be the Exhibition. I have not seen it yet, but intend going there to-morrow. My next letter will contain a description of what may be seen there.

I have to finish for the present, and remain very affectionately, &c.

# GENERAL WILLIAMS' PRIZE

Examiners

HENRY YOULE HIND, M.A., F.R.G.S.

Late Prof. of Chemistry & Geol., Trin. Coll., Toron.

JOHN RUTHERFORD, Esq., M. E.,

Inspector of Mines.

1.—Describe the physical properties of minerals and give illustrations.

2.—Name the chief chemical compounds found in the mineral kingdom, and give illustrations.

3.—Give the grouping of the chemical elements, using symbols.

4.—Describe the crystalline systems and explain the terms primary, secondary, amorphous, dimorphous, isomorphous.

5.—Compare latent heat, specific heat, and temperature.

6.—What is meant by the specific gravity of a mineral, how is it ascertained, why is it enquired into in mining operations?

7.—Describe a Voltaic battery decomposing, (a), water, and (b), a solution of a metallic salt.

8.—Explain

### $\operatorname{Mn} O_2 + 2 \operatorname{HCl} = \operatorname{Mn} \operatorname{Cl} + 2 \operatorname{HO} + \operatorname{Cl}$

describe the last mentioned, and name the minerals in which it occurs.

9.—Describe the flame of a candle, the cause of its luminosity, the effect of the blowpipe on it, and the use of the latter in testing minerals.

10.—Describe the method adopted in Cornwall of finding mineral lodes, and state how you would proceed to open one.

11 .- Give the meaning of the principal terms used in Mining.

12.—Describe the process of coking coal and state the characteristics of good coke.

13.—What are the principal varieties of coal, and their respective properties?

14.—What gases are found in mines, what are the properties of each, and in what position in the mine are they generally observed: on what principle are mines ventilated.

15.—Draw an ideal section of a coal basin intersected by downthrow and upthrow dykes or faults.

16.—Would you expect to find gold in the strata of the Albion Mines—if not, why?

17.—Name the principal varieties of copper and lead ores, give their composition and relative richness in metal, and state the rock systems in which they are found.

18.—Name and describe the most important ores of iron, and state the geological position in which they are generally found.

19.-Name and describe the minerals which have a red colour.

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ive ch, nat 20.—Explain the terms, strike, dip, bed, vein, dressing, roasting, reduction.

21.—Name the most important minerals that have been found in the Province, and the chief characteristics by which they are identified.

# GENERAL WILLIAMS' PRIZE. MATHEMATICS APPLIED TO ENGINEERING.—RAILWAYS.

Examiners { John Brooking Young, Esq., Civil Engineer. CHARLES ODELL, Esq., Civil Engineer.

#### I.

- 1.—Describe the adjustments necessary for observations with the Theodolite or Level.
  - 2.—How is the meridian determined by the ordinary methods?
  - 3.-What are contour lines?
- 4.—Describe the methods of finding the position of soundings, and state how position and depth could be ascertained in a very rapid tideway.

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- 5.—A surveyor wishes to find the height of an inaccessible object, but has only two long poles and a chain. How can it be done?
- 6.—Required the distance of an inaccessible object; to find which the only instruments that can be obtained are a right-angled triangle made of wood, and a measuring tape.
- 7.—Given the angle between two straight lines and their lengths, find an expression for the radius of a circle to which they will be tangential.
  - 8 .- Define a tie, a strut, a beam.
- 9.—Represent the strains on a crane by construction, the weight being = w tons.
- 10.—Given the angle of inclination with the horizon of a beam supporting a weight and abutting on a wall, required an expression for the vertical and horizontal thrusts.
- 11.—A beam spanning an opening of 20 feet is loaded at the centre with a weight of 10 tons; required the strains at 2, 3, 4, 6 and 8 feet respectively, from the supports.

#### II.

1.—What are the instruments commonly used for Levelling?

2.—What is the difference in construction between the Y and Dumpy Levels?

3.—Give an example of the best and simplest form of keeping the field notes of continuous levels?

4.—Give an example of the method of setting out slope stakes (with the level) in the field, for cuttings or embankments, where the ground is irregular—slopes 1½ to 1, width of roadway 20 feet?

5.-What are cross sections, and when are they necessary?

6.—State the method of carrying on a survey with the chain?

7.—Given a line A C inaccessible at C. Show how the distance A C is to be

arrived at and computed with the chain only.

8.—Give an example how to avoid an obstacle in the line of a tangent by means of a theodolite or transit

9.—Show how to measure the disance AB on a tangent, the point B being inaccessible.

inaccessible.

10.—Having given the angle CEB, formed by the intersection of two straight lines, required the point A or B at which

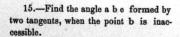
to commence a curve of given radius.

11.—What is the deflection angle of a curve?

12.—What is the tangential angle of a curve?

13.—Given the radius of a curve, find the deflection angle.

14.—Given the angle of intersection BOG. and the tangent AO, to find the deflection angle.



16.—What is a compound curve?









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17.—Find the radius to any given angle of deflection and to equal chords of any given length.

18.—Given the radius of a curve and the angle A C E, required the number of 100 feet chords that will be contained in the curve.

19.—What are the usual slopes per foot perpendicular in the cuttings and embankments on railway works?

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## Reports of Examiners on the General Williams' Prizes.

KING'S COLLEGE, June 22nd, 1868.

Venerable and Dear Sir,-

After a careful examination of the papers prepared by the competitors for the General Williams' Prize in French and German, it gives us great pleasure to report that they exhibit very creditable proficiency indeed in those languages.

In German the papers are quite equal.
In French, Mr. Wheelwright comes out first, closely pursued, however, by his antagonist, Mr. King.

We therefore award the prize to Mr. Charles Wheelwright.

BENJAMIN CURREN, D.C.L. JAMES LIECHTI.

P. S.—We beg to call your attention to the fact that the French paper of the successful candidate is entirely French—the various explanations and reasons for the answers being written in that language.

The Venerable the Archdeacon.

B. C. J. L.

Windson, June 23rd, 1868.

The Venerable Archdeacon McCAWLEY, &c., &c., &c.

Sir.—I have examined the papers in Engineering, and beg to recommend that the prize be awarded to Mr. James Dickey. In many of his answers to the various questions he has shewn considerable ingenuity, and his papers display creditable proficiency. To General Sir W. Fenwick Williams, the founder of these prizes, whose liberality will stimulate the student, and enable him to enter upon his practical duties with valuable theoretical knowledge, the thanks of the cauntary are disc the thanks of the country are due.

I have the honor to be, Your most obedient.

> JOHN B. YOUNG, Civil Engineer.

#### MINERALOGY APPLIED TO MINING.

WINDSOR, June 23rd, 1868. I beg to submit to you the results of the examination in "Mineralogy Applied to Mining" for the General Williams' Prize. The successful candidate is Mr. P. Shreve, but the answers of Messrs.

Armstrong and Harding were also very creditable.

The following numbers represent the relative standing of these gentlemen. 

The questions, 21 in number, were prepared by Dr. How and John Rutherford, Esq., Inspector of Mines—and are, as you will observe, of a very

comprehensive and exhaustive character.

Venerable and Dear Sir .-

The evidence afforded by the general excellence of the answers of the gentlemen named, is the strongest proof that the subject has received careful study under able direction, and it is very gratifying to find that the farseeing liberality of the illustrious founder of the Prize, whose object, no doubt, was to encourage one of the most important industries of Nova Scotia, should at so early a date meet with such truly creditable efforts to secure the honour his prizes confer.

Very sincerely yours,

HENRY Y. HIND, M. A., F. R. G. S. Late Professor of Chemistry and Geology in the University of Trinity College, Toronto.

The Venerable

The President of King's College.

Reverend Sir,-

HALIFAX, July 17, 1868.

We have examined the Essays for the "Akins' Prize," and award the Prize to the Essay marked "B." We consider that it possessed much merit. The Essay marked "C" is also an excellent production.

We have the honor to be, yours &c., &c., &c.

WILLIAM J. ALMON, M. D. GEORGE W. HILL, A. M., Rector of St. Paul's.

The Venerable

The President of King's College.

\*\* "B." was written by E. H. OWEN, King's College.

## Curriculum, or Course of Study, &c.

#### CLASSICS.

These consist of Historians, Orators, Poets, and Philosophers. Portions of the standard Greek and Latin authors, under each of these denominations are studied.

#### In the First Year.

Homer's Iliad or Odyssey.

Xenophon's Cyropædia or Anabasis.

Demosthenes' Select Orations.

Horace's Satires and Epistles.

Livy, first or third decade.

Cicero de Officiis and Orations.

#### In Second Year,

Herodotus, Thucydides, Euripides. Virgil's Georgics, Terence occasionally. Tacitus: Germania, Agricola. Juvenal and Persius.

#### In Third Year.

Sophocles, Æschylus, Longinus. Aristophanes occasionally. Tacitus and Juvenal, continued. Lucretius occasionally.

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Variations in the course are sometimes admitted; and other authors, such as portions of Pindar, of Plato, and of Aristotle's Ethics and Poetics, under favorable circumstances, are read; but the degree subjects are usually Euripides, Sophocles, Æschylus, Longinus, Tacitus, and Juvenal.

In Logic Mansel's Aldrich, with reference to Prolegomena, &c. In Rhetoric, Aristotle, Quintilian, or Cicero de Oratore with reference to Whately and others.

Suitable Exercises, Themes and Essays are required.

#### HEBREW.

The Grammar is carefully studied, and reference to the best subsidiary aids are constantly made.

Portions of the Old Testament are critically read and carefully compared with the variations in the Septuagint, and examination papers frequently written.

GEORGE McCAWLEY,

President.

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## THEOLOGICAL DEPARTMENT:

#### PROFESSOR HENSLEY; D. D.

#### DIVINITY STUDENTS.

The course extends over Four Years, and embraces the following subjects:-

#### I. Sacred Languages.

Hebrew: (by the President.)

Greswell's Harmony.

Greek : Septuagint.

Wordsworth's Greek Testament. Bloomfield's do.

Greek Testament.

do.

Winer's Greek Grammar. Bengel's Gnomon.

Robinson's and Schlensner's Lex. French's Synonyms. Annotations of Elsley and Slade.

#### II. Biblical Literature.

Horne's Introduction. Marsh's Lectures. Smith's Dictionary of the Bible. Angus's Hand-Book.

#### III. Systematic Divinity.

Paley's Evidences. Butler's Analogy. Jewel's Apology.

Browne on the Articles. Horœ Paulinœ. Pearson on the Creed. Magee on the Atonement.

Hopkins' End of Controversy Wall on Infant Baptism. Controverted.

In Polemical Theological Lectures are given on the controversial questions of the day, with especial reference to the position of the Church in this Diocese.

#### IV. Ecclesiastical History.

Robertson's	Ecc.	History.	Short's History of the Church	oť
Moshiem's			England.	
Burton's	do.	94	Hardwicke's Reformation.	
Adolphus'	do.	do.	Bingham's Origines Sacræ.	
_		rideaux, Shuck-	Riddle's Christian Antiquities.	
ford and			Josephus.	

#### V. Church Polity and Liturgies.

Hooker's Ecc. Polity.	Wheatley on Common Prayer.		
Potter on Church Government.	Blunt do. do.		
Onderdonk on Episcopacy.	Palmer's Origines Liturgicæ.		
Kip's Double Witness.	Adolphus' Compendium.		
Palmer on the Church.	Wordsworth's Theoph. Anglic.		

#### VI. Pastoral Theology and Sacred Rhetoric.

Bridges on Christian Ministry.	Claude's Essay.
Burnet's Pastoral Care.	Gresley's Ecclesiastes Anglic.
Blunt's Directorium Pastorale.	Whately's Rhetoric.

The Students are practised in the preparation of outlines of discourses, the composition and delivery of Sermons, the reading of the Liturgy and the Holy Scriptures, and in the management of Sunday Schools.

#### VII. Patristic Theology.

The Apostolic Fathers.	Justin Martyr's Apologies.		
Chrysostom de Sacerdotio.	Augustine's Confessions.		
Eusebius Ecc. History.	Anselm's Cur Deus Homo.		

During the Undergraduate Course the attention of the Student is principally confined to the Greek Testament, Biblical Literature, Ecclesiastical History, and Liturgies. In the Fourth Year the whole

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ne Student Literature, the whole of the subjects enumerated above are studied, the principal works mentioned being used as Text Books, the others being referred to as occasion demands.

An examination of the Senior Divinity Students in all the subjects of the Course takes place in Easter Term of each year, preparatory to their receiving their Testimonials as Candidates for Holy Orders.

The Sunday Evening Lecture at 7 p.m, is attended by all the Undergraduates.

Subjects: Greek Testament: The Gospels.
Bible History.

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During the Third Year the first three and minth and eleventh sections of Newton's Principia, are carefully gone over. The Differential and Integral Calculus occupies a portion of the time, but the greater part is taken up with the science of Dynamics, asually very absurdly denominated Mechanics.

## MATHEMATICS, NATURAL PHILOSOPHY AND

#### PROFESSOR MACLEOD.

The subject for any year depends to some extent upon the ability and previous training of the students.

During the first year the first six books of Euclid are studied, and in Algebra in addition to the parts up to and including quadratic equations, a few of the more comprehensive theorems, such as the theories of Indeterminate Coefficients, of Permutations and Combinations, the Binomial, Multinomial and Exponential theorems are discussed.

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During the Second Year a complete course of Trigonometry, both Plane and Spherical, is gone over analytically. When some progress has been made in this branch, three or four extra hours per week are devoted to Engineering Geodesy; and in the third year as a continuation of the same subject, the principles are set forth according to which structures are combined into extensive works of Engineering, such as Roads, Railways, &c. Students of the second year likewise study Conic Sections and the earlier parts of the Differential Calculus, including Taylor's theorem. The further study of the calculus gives place in the meantime to the study of the Theory of Equations—a sound knowledge of which greatly facilitates the progress of the student in the higher analysis, and more especially in its application to analytical Geometry in three dimensions.

During the Third Year the first three and ninth and eleventh sections of Newton's Principia, are carefully gone over. The Differential and Integral Calculus occupies a portion of the time, but the greater part is taken up with the science of Dynamics, usually very absurdly denominated Mechanics.

The principles of each subject are explained by lectures, and their applications illustrated by the solution of examples taken from the text books and other sources. The lectures are followed by oral examination of the students. Exercises are given out from time to time for home work, and the progress of every student is registered from the result of periodical written examinations.

The Text Books in use are Young's Course of Mathematics, Hall's Trigonometry, the treatise on the Differential and Integral Calculus, by the same author, Hymer's Conic Sections, and Evans's edition of the first three and ninth and eleventh sections of Newton's Principia. The Professor would like to have, but does not insist upon, uniformity in the Euclid, and accordingly several editions of the elements are employed.

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Private instruction is given to all students who are anxious to receive it: and so the Professorial and Tutorial systems are combined.

N. B.—Attendance at Lectures on Engineering is voluntary.

Practical Chambary, Minushey: Applica to Minus.

Chemical Physics.—Yer at North William Chemistry.—Market William Commistry.—Yer at North Practical Chemistry.—Yer at North Practical Chemistry.—Yur tark Mineralogy, etc.—Principle Mineralogy, etc.—Principle Manager

Books of Reference in the College Library.

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#### LECTURES IN CHEMISTRY AND NATURAL HISTORY

PROFESSOR HOW, D. C. L.

First Year.

Chemical Physics.
Inorganic Chemistry.
Mineralogy Applied to Mining.

Second Year.

Organic Chemistry.

Practical Chemistry.

Mineralogy Applied to Mining.

Third Year.

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Practical Chemistry.

Mineralogy Applied to Mining.

TEXT BOOKS.

Chemical Physics.—Youman's.
Inorganic Chemistry.—Macadams Wilson.
Organic Chemistry.—Youman's.
Practical Chemistry.—Fresenius.
Mineralogy, etc.—Phillips' Metallurgy.

Books of Reference in the College Library.

## LECTURES IN MODERN LANGUAGES.

## PROFESSOR STIEFELHAGAN, Ph. D.

#### FRENCH.

#### First Year

Ollendorff's Grammar, combined with a systematic course of the pronunciation, and the regular and irregular verbs. In this year the scholars read the reading-pieces in Pinney's First Book of French because I find them excellent to practise the pronunciation.

#### Second Year

Continuation of Ollendorff's Grammar. The scholars begin to read and learn by heart the "Causeries Parisiennes, by Perschier," a book which I find better adapted for my purpose than any I ever met with. They are supposed to finish Ollendorff's Grammar in two years, at latest. If it is finished sooner, I begin my course of Syntax, &c., which is generally reserved for the third year, in the second.

#### Third Year.

In this year I go through a regular course of Syntax, partly as a repetition, and partly to supply the wants of Ollendorff's system. The scholars are then supposed to be familiar with all the leading rules of Syntax from Ollendorff's Grammar, and, in going through them again, I call their attention to the niceties, dictate rules on them, and cause the class to practise them, by writing exercises after my own dictation, principally consisting of letters and conversations on topics of general interest, &c. In this year I have, moreover, constant verbal exercises in conversation, and the scholars are obliged to speak French as much as possible. They read Christomathie Française, par Boniface, an excellent book, containing all the varieties of style to be found in French authors.

#### CERMAN.

#### First Year.

OLLENDORFF's Grammar combined with a regular course of the pronunciation and the regular and irregular verbs. Adler's Reader.

#### Second Year,

Continuation of OLLENDORFF'S Grammar. The scholars continue to read Adler's Reader, and begin SCHILLER'S Lyrical Poems, and one of his Comedies in prose.

#### Third Year.

In this year I follow the same plan as in French. The scholars read one or more of Schiller's Tragedies, besides one of the Comedies in prose, by the same author.

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Greek & Latin Classics		10							MEMORANI	O.A
Ethics, Rhetoric, Logic Hebrew		112				*				1
Divinity.  Pastoral Theology.	7 P. M.	12 12 1								
Mathematics.	Ť	1   5	İ							1
Natural Philosophy		211								
Astronomy		12			J.					
Chemistry Practical Chemistry	1	10					1			
Natural History	- 63	12 24				200				
Mod. Lang. & Literature.		-		T						
Spanish, Italian.	64	-						,	-	
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## LIST OF STUDENTS BEFORE THE CHARTER, 1788 то 1802.

#### AS FAR AS CAN BE ASCERTAINED.

B. G. Gray

C. Perkins

W. McGeachy

H. Hill

H. Mouk

J. Inglis J. Bisset	
J. Bisset	
W.F. Bonnell	
G. Haliburton	
G.M Haliburto	,
S. Head	
M. Head	
T. Murray	
A. Inham	
E. Arnold	
J. S. Arnold	
W. Geddes	
H. Best	
J. Tremain	
I. Hammill	
J. Hammill	
T. C. Hammill	
H. McMonagle	
T. C. Emerson	
O. Emerson	,
L. Hartshorne	
L. Hartshorne M. Leonard	5
D. Inchie	
A. Inglie	
S. Fraser	1
S. Fraser W. Shey J. Clarke	
J. Clarke	I
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j	J. Cunningham	
1	C. W. Weeks	
1	J. Cochran	
	T. Cochran	
1	H H C	
1	H. H. Cogswell	1
1	M. G. Black	
1	W. Cochran	(
1	T. Barclay	-
1	B. Barclay	70.00
ł	G. Barclay	
ı	U. Darciay	I
l	W. Gray	J
	W. DeLancy	_
	A. Grav	
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	W. M. Fairbanks	J
	W. Thompson	T
1	C. Uniacke	J
1	R. Uniacke	J.
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C. Campbell

D. Campbell

J. Van Cortlandt

G. Day

W. Day

H. Barclay J. Monk W. Monk R. Christie H. Howe A. Howe D. Barclay J. DeLancy O. DeLancy J. E. Fairbanks S. P. Fairbanks D. Knapp . T. Knapp Taylor Sneden V. Robinson . Bliss . Tremain 77 . Boggs . Fawson B. Wentworth W. Twining

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ell, F. Massan W. Corswood W. Heights F. L. Compbell J. C. Fonke, T. H. White

J. R. Dewolf - Fitch P. Wright M. Wright E. Boyd W. Hulme — Wylie - Wylie T. Beardsley W. Bowen W. Bowen T. Britain P. H. Clarke - Chalmers S. Dimock - Laird F. Emerson H. Emerson B. Mouk W. Monk T. Ruggles J. Thompson Walton W. Bernard G. Harris F. Holland - Holland

R. Parker C. A. Shreve

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H. L. Traquin G. W. Morris N. Perker

# CATALOGUE OF MEMBERS OF THE UNIVERSITY, MATRICULATED FROM 1803 to 1867.

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1803	1814	J. T. Moody	N. W. Thomas
W. P. G. Fraser	W. Gray	W. Winter	J. J. Millidge
H. Hatch	E. Gilpin	H. Hartshorne	A. M. Uniacke
W. B. Almon	E. Morris	J. R. Wetmore	J. Johnston
W. Hill	R. F. Uniacke	J. Pryor	1825
R. Bayard	J. B. Uniacke	A. Parker	
R. Viets	D. L. Robinson	F. W. Miles	H. J. Fitzgerald
1804	L. M. Wilkins	H. E. Cogswell	E. L. Brinley
C. J. Morris	R. Claiborne	E. S. Freer	J. J. Curren
J. W. Nutting	G. P. Bliss	F. S. Crawley	G. Hill
1805	H. N. Arnold	M. I. Wilkins	1826
	J. Peters	1821	G. Botsford
A. W. Cochran	C. W. Wallace	7.77	C. Botsford
A Barclay	1016	H. King	J. H. Clinch
E. J. Jarvis	1816	J. C. Cochran	
1807	E. A. Crawley	A. Gray	1827
H. Binney	F. W. Morris	1822	J. Stevenson
C. Ingles	C. Twining	C T . A	J.L. Trimmingham
T. Paddock	1817	S. E. Arnold	J. W. Ratchford
J. Boyd	J. Shreve	G.S. Jarvis	W. E. Scovil
1809	G. McCawley	C. O. Wiggins	C. Cogswell
J. Cochran	G. L. Wiggins	J. Black	J. Dunnig and and
J. T. Twining	H. W. Crawley	J. U. Jeffery	PM Cunningham
W. B. Bliss	A. Gilpin	R. H. Peters	1828
1810	2010010 - 21	E. C. Barss	J. S. H. Smith
437.44.03.77	1818	S. P. Freeman	C. J. Shreve
S. P. Fairbanks	W. Walker	1823	R. B. Porter
J. Lawson	W. B. King	J. C. Haliburton	B. D. Fraser
T. C. Haliburton	1819	A. V. Wiggins	W. H. Snyder
1811	J. C. Hall	J. H. Clarke	J. S. Thompson
R. Parker	J. A. Griffith	R. B. Wiggins	G. W. Nichols
C. A. Shreve		M. B. Desbrisay	J. H. Gray
J. T. Murray	C. H. Wallace	H. Pryor	G. P. Despard
1812	C. Inglis	H. B. Twining	A. F. Welsford
H. L. Tremain	C. W. H. Harris R. F. Hazen	W. Cogswell	
G. W. Morris		P. A. Knaut	1829
N. Parker	W. Wright C. Fowle	E. C. Campbell	C. J. Haliburton
H. Bliss	language service	T. H. White	T. C. Leaver
and the second second	1820		H. L. Owen
1813	J. W. Weeks	1824	J. Morris
E. Monk	O. S. Weeks	J. M. Campbell	T. G. S. Suther

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	T. B. Wilson	. 400-		
	T. N. Jeffrey	1837	1844	1850
1	1830	G. A. Viets	F. H. Almon	
SITY,		J. Stewart	C. W. Weldon	A. W. Savary
JIII,	H. H. Hamilto	J. H. Thorne	A. Gilpin	T. C. De Barros
	P. Philips	1838	W d	J. N. Ritchie
	W. J. Almon	D. D. Stewart	W. Seaman	J. T. Moody
omas	R. Prescott	J. Harvey	F. Carrington	19
idge	J. J. Ritchie	C. J. Stewart	P. D. H. Neilson	
iacke	G. Townshend	E C: Stewart	1845	R. Uniacke
on	E. Cunard	E. Simonds	R. M. Hazen	N Uniacke
	S. Boggs	W. Black	T. T. Hanford	1852
5		1839	R. G. Haliburton	
gerald	1831	R. McLearn	C. E. Knapp	J. Randal
ley	H. H. Hatch	J. H. Mayne	C. H. Uniacke	T. Crisp
en	G. H. McColla	R. F. Brine	G. W. T. Jarvis	C. McColla
7 16.00	T. Maynard	L. M. W. Hill	R. E. Smith	A. Moren
	J. E. W. Inglis	R. Simonds	H B Comith	H. M. Jarvis
611	S. J. Scovil	P. J. Filleul	H. B Swaby	R. J. Uniacke
rd	G. H. Dewolf	M. Jarvis	W. H. Tremain	1858
d	A. W. Millidge	Statement of the	J. S. Smith	H. P. Almon
ch	H. P. Hill	1840	L. M. Wilkins	B. Sawyer
200	W. S. Witham	J. E. Owen	1846	D. Sawyer
7 1 11	J. M. Sterling	S. D. Brown	R. H. Bullock	W. S. Gray
on	W. Howe	T. J. Pope	W. Stewart	A. E. Unicoke
ingham	1832	A. Wright	H. M. Spike	P. W. Smith
chford		D. J. Wetmore		R. S. Braine
ovil	W. M. Godfrey	C. L. Ingles	1847	1854
illo a	J. Hudson	T T Q M	C. Allison	L. H. Bliss
17.11	S. L. Shannon	J. J. S. Mountain		C. T. D.
ngham	C. L. Porter	C. J. Simonds	N. Fairbanks	C. J. Bonnett
mil (). Em	1833	L.M.A. Gallenga	H. DeBlois	J. J. Hill
17. 1	W. M Howe	A. H. Weeks	TAY TENSOR	O. Grindon
mith T	S. Brough	W. T. Morris		J. W. Tays
ve	S. Buchan	J B Vankoughnet		G. Green
er		H. Pope	C. Bowman	O. Ruggles
ser	1834	H. G Farish	R. M. Campbell	1855
yder .	M. W. Porter	1843	W. R. Cochran	
npson	J. C. Cogswell	W H C	W. Laird	
hols	1835	W. H. Cooper	M. Swaby	V. Lawson
7	C. W. Leaver	W. Taylor	T. D. Swaby	V. M. Moren
ard	G. W. Ritchie	W. Gray	J. B. Butler F	F. Uniacke
sford	E. E. B. Nichols	B. Gray	r. Allison V	V. J. K. Myon
	E. P. DeBlois	T. W. Robertson	n. S. Sterns	V. H Hill
		T. Blackman	J. Ambrose i A	Mitchell
burton	T. Willia as	B. Curren	W. Stewart	1856
ver		R. T. Roach	R. Payne	
en .	r. C. Hill	J. H. Stewart	1010	. J. Cowie
	J. Odell	D. W. Pickett	a ~ - II	. M. Gray
outher	o. Cunningham	E. Gilpin	J. Wiggins J.	Fraser
uther				B. Van Buskirk
			W. R. Pickman H	L. Ruggles
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1857	C. Holden	C. M. Almon	C. Wheelwright
1	J. J. Moore	T. Trenaman, E.s.	L. C. Deveber
T. A. Shaw	W. L. B. McKiel	J. C. Cox	J. R. Armstrong
J. F. Mack	W. M. Lyttleton	J. Fretwell	J. Poyntz
H. Clarke	H. C. Boyd	J. F. Black	10.00
E. Ansell	T. Almon	W. E. Scovil	1866
E. Ansell	W. H. Jamison	W. Bennison, E.S.	J. B. Dickey
C. J. Uniacke	N. W. Hoyles	The second second second	S. Boyd
1858	A. D. Jamison	1863	W. Wade
	A. D. Jamison	C. Matthew	R. S. Mutch
T. C. Leaver	1861	H. Chipman	M. Maynard
G. W. Hodgson	T D Column	R. Davis	R. Daniel.
L. M. Wilkins	J. P. Sargent	L. S. Symonds	1.66
G. Scott	W. Archibald, E.S.	F. Borden	1867
W. B. Almon	H. C. Carman	A. Smith	Edwin Gilpin
W. F. Pryor	T. Ward, E. S.	H. Boyd	S. P. F. Morse
J. B. Uniacke	W. H.L. Cogswell	D. Nickerson	T. H. Budd
W. D. Sutherland	J. Harris	G. Metzler	J. L. Keating
M. Bowman .	J. P. Chandler	J. Fraser	C. S. Hamilton
1859	J. Burgess	L. Maynard	J. P. Tremain
	A. Barelay	P. Brown	C. A. Coleman
C. J. Townshend	B. Richardson	B. Clarke, E. S.	
C. W. McCully	J. Chandler	J. Mack, E. S.	F. Peters
B. Smith	G. Armstrong	S. Murray	17 E
W.H.E. Bullock	A. Brown	A. Murray	1868
H. Brown	E. C. Milner	J. DeWolf	E. Barton
D. Brown	T. M. King	(1 (1)	- Fullerton
A. Fraser	C.P. Cochran, E.S.	W. Bowman	W. Shaw, E. S.
D. D. Harrington	A. Merkel	John Brine	E. Ruggles
W. B. Armstrong	F. Kinnear	and the second	F. Archbold
R. Matthew	G. McNutt	1864	R. Uniacke
E. N. Sharpe	F. Fairbanks	T. Boone	O. Wright
J. A. Jack	F. Harding	G. King	C. King.
1000	C. Croucher	H. Weldon	C. King.
1860	1862	C. Almon, E. S.	1000
H. Wainwright	1002	W. H. Tilley	10 19 10
A. C. F. Wood	F. Bowman	E. H. Owen	and the second second
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P. Lynch	T. Maynard	J. S. Armstrong	
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Rev. Rev. B. D C. Te

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# GRADUATES OF KING'S COLLEGE, 1806-1868.

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20-9	D. D.
nev. J. T. Twining 1000	
Rev. G. McCawley 1835	Rt. Rev. John Medley 1864
Rev. J. Shanning	TOOK TIME DULINGE TOOK
	Rev. R. J. Uniacke1866
D. Jarvis 1840	Rev. T. H. White
Rev. G. S. Jarvis. 1840 Rev. J. W. D. Gray 1846 Rt. Rev. Hibbon P. 1846	Rev. T. H. White1866
	Rev. J. M. Hensley 1867
Rev. E. Gilpin	1868 1868
11008	0821
<b>b</b>	C. L.
Rev. Hibbert Binney 1007	
Harry King	Henry Pryor1858
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Rev. S. E. Arnold 1835	J. C. Cogswell 1858
The Wiggins 1941	P. C. Hill
	P. C. Hill 1858
1. W. Blackman 1050	1001
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J. R. Hea	Sir R. G. Macdonnell 1865
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W. B. Almon1810	The state of the s
R Bayard	Hon. H. H. Cogswell 1847
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Liev. Ct. Willings 100H	Maj -Gl. Sir J. E. W. Inglis 1858
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ou dames Dinart. Ravi	O. Auderson 1004
B De St Croix	1001
A. Barelay	110h. W. B. Bliss 1000
Hon A W Cost	Took D. Honeyman
Hon A. W. Cochran	T. B. Akins
Rev. L. C. Jenkins 1842	Beamish Murdceh, Q C 1867
L. Bell	J. W. Nutting D 1867
	J. W. Nutting, Proth 1869
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Rev. J. M. Hensley 1869	Rev T H WILL
Took of Unjacke	Rev. T. H. White 1866
	Rev. W. H. Cooper
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B. D. Fraser	GRADUM (BITICIDE) VI A
C. Tupper	W.J. Almon. 1050
	C. Cogswell

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M. A. .1852 R. G. Haliburton ..... J. Lawson ...... 1817 T. C. Leaver ... ......... 1853 G. E. W. Morris ........ 1821 R. F. Uniacke ..... 1823 R. H. Bullock . . . . . . . . . 1855 J. B. Uniacke . . . . . . . . . . . . 1823 J. R. Hea.....1855 E. A. Crawley . . . . . . . . . . . . 1823 G. Townshend.......1856 H. N. Arnold ...... 1825 J. M. Hensley ....... 1856 D. W. Pickett ........... 1857 W. Stewart ....... 1857 W. Cogswell . . . . . . . . . . . . . 1830 H. Pryor..... 1830 T. C. Desbarres ...... . 1858 H. J. Fitzgerald . . . . . . . . . . . . 1831 J. Pryor..... 1831 T. D. Ruddell ........... 1858 M. B. Desbrisay . . . . . . . 1832 Joseph D. Everett......1860 A. Gray. ....... 1833 J. W. Disbrow .... . . . . . . . 1862 R. F. Uniacke . . . . . . . . . . . . . . . . . 1863 W. E. Scovil ..........1834 W. G. T. Jarvis ...... 1863 E. C. Barss......1835 G. L. Wiggins ......... 1836 J. J. Hill ........ 1868 Rev. J. Forsyth .......... 1864 G. W. Hodgson ......... 1864 J. B. Smith ......... 1848 W. S. Harvey ..... 1865 F. Allison..... 1865 J. J. Ritchie W. H. Cooper ...... 1868 J. Stewart .. C. W. Weldon ..... 1851 R. Parker ..... 1851 W. H. Bullock ... ..... 1868 T. C. Haliburton . . . . . . 1851 R. Viets .... 1807 H. Bliss .... 1816 N. Parker..... 1816 W. P. G. Fraser ...... . 1809 J. T. Murray ..... 1816 J. W. Nutting ..... 1810

C. Ingles.....1811

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	C. Twining	
	A. Gilnin	J. M. Sterling1836
	A. Gilpin	W. M. Howe
	W. W. Walker 1822 J. C. Hell	J. C. Come 11 1837
		J. C. Cogswell 1837 Wm. M. Godfres 1838
	C. 41. Wallace	
	J. W. Weeks	
	J. W. Weeks 1823 T. R. Wetman 1824	C. Merritt
		W S Dia-1
	H. Hartshorne1824	
	J. C. Cochron	R. F. Brine
	J. C. Cochran	C. Simonda 1843
	E. S. Freer	
	J. J. Millidas	D. J. Wetmore
		C. L. Inelia
	J. Dunn	
	C. Cogswell	
	C. J. Shreve	
	P. M. Cuppingl	W. H. Cooper
	P. M. Cunningham 1832 R. B. Porter	H. G. Farish1846
		H. G. Farish 1846 W. Taylor 1846
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1	J. H. Gray	
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(	C. J. Haliburton	
1	W. H. Snyder1832	W. Gray 1847 B. Gray
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1	E. B. Wilson 1833	F. H. Almon. 1847 A. Gilpin 1848
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		J. S. Smith 1848 R. E. Smith 1849
		R. M. Hazen
J	Monrie	W. T. Jarvin
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4	Howe. 1835 Maynard 1835 L. Shannon 1895	
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S.	L. Shannon1836	
C.	K. Porter	
A.	W. Millidge1836	
	W. Millidge1836	T. Hanford1852
		1852

1959	C. J. Townshend 1863
W. R. Cochran	R Smith
M. Swabey 1852	W. H. E. Bullock 1868
T B Butler	W. B. Armstrong 1868
F. Allison	C. W. McCully1863
R. S. Sterns 1852	H. S. Wainwright 1868
J. Ambrose1852	W. E. Scovil
W. Stuart	J. A. Jack
T M Hensley 1000	C. B. Bullock 1864
C G Wiggins 1000	A. C. Wood
T Blackman	C. Holden
W R Pickman	Albert Kaulbach
A W Savary 1894	Daniel Harrington 1864
T N Ritchie 1004	W.B. McKiel
T T Moody 1894	Joseph Moore
T C DesBarres	W. H. Jamison
N F Unjacke	A. D. Jamison
R Ilniacke	A. D. Jamison 1864
T Randall	John P. Sargent1864
T Crisp	Wm S. Harvey 1865
A Moren1000	F. Fairbanks
H M Jarvis	F. Harding
R J Ilniacke 1890	A. Brown
m D Ruddell	T. M. King
C McColla	H. S. Poole
H P Almon	J. B. Richardson 1865
W S Gray	C. Croucher 1865
P T Rraine.	F. Kinnear
D W Smith 1807	J. P. Chandler
T. H Bliss	J. F. Black
T I Hill	Joshua Chandler 1866
O M Grindon 1000	R. Haire
T W Forsythe	C. W. Payzant
Honry Storns	J. C. Cox
T () Ruggles	H. Chipman
D If I nigelie	R. Davis
A. T. Mitchell	L. S. Symonds
m A Leaver	F. Borden
To Angell	A. Smith
O W Hodgeon	D. Nickerson
T M Wilking	G. Metzler
TOT TO Devor	F. Brown 1867
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