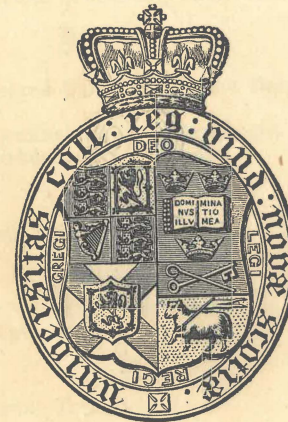


The Calendar
OF
KING'S COLLEGE,

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.

UNIVERSITY CALENDAR

FOR THE

ACADEMICAL YEAR 1868-1869.

1868.

September.

- Sept. 7. Michaelmas Term begins.
" 8. Meeting of College Board.
" 8. Welsford Commemoration.
" 14. Cogswell Scholarship Examination.
" 25. Cogswell Cricket Match.

October.

- Oct. 29. Alumni Scholarship Examination.

December.

- Dec. 2. }
" 3. } Degree Examinations and Responsions.
" 4. }
" 7. Terminal Examinations begin.
" 15. Michaelmas Term ends.

1869.

January.

- Jan. 18. Lent Term begins

March.

- Mar. 15. Terminal Examinations begin.
" 20. Lent Term ends.

April.

- April 5. Easter Term begins.

May.

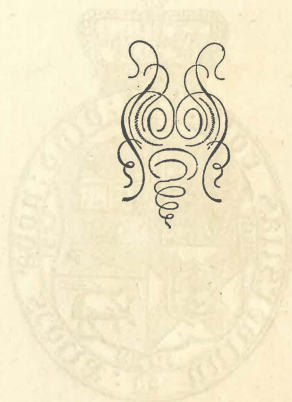
- May 12. }
" 13. } Theological Examination.
" 14. }

June.

- June 1. Akins Prize Essays to be given in.
" 15. Terminal Examinations begin.
" 16. Degree Examinations begin.
" 21. }
" 22. } Prize Examinations.
" 21. Matriculation.
" 22. Collegiate School Examination.
" 23. Annual Meeting of Associate Alumni.
" 24. ENCENIA.

July.

- July 1. Academical Year closes.



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.

By order of the Board,

J. C. COCHRAN, M. A.,

Secretary.

HALIFAX, August, 1868.

APPENDIX.

UNIVERSITY, King's College, Windsor, N. 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 title 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 McCRAWLEY, D.D.

Hon. Mr. JUSTICE WILKINS, B.A.

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Rev. Canon GILPIN, D.D.

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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 Languages, viz., French, German, Spanish and Italian,
also qualified to instruct in Drawing.

HENRY STIEFELHAGEN, Ph. D.

Librarian and Bursar.

Professor HENSLEY, D.D.

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 requir-
ing 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*.

Prizes.

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 Encenia 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 :

1. Mining and the Science of Mineralogy as it bears practically on these operations.
2. 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.
3. 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. BOYD—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.

HAMILTON.

Nominations.

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 :

To.....

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.

(Date.)

(C. D.)

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.

☞ No person 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.

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.

Rev. E. Maturin.
W. & J. Pryor, Esqs.
Henry Pryor, Esq., D.C.L.
Heirs of Rev. Dr. Twining.

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, An-
napolis, 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 Parish.

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. 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 Tri-
nity, 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, Lunenburg.

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.

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.

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 again 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.

SYNOPSIS.

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*.

Residence.

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.

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.

Hebrew.

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.

Mathematics, Natural Philosophy, 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 and practically.

A 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:—

1st.—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.

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 Gœthe 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.

Museum.

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 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.

King's College, Windsor.

RESPONSIONS.

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

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

TERMINAL EXAMINATIONS.

CHRISTMAS, 1867.

In Literis Humanioribus.	In Disciplinis, Mathematicis & Physicis.	In Theologia.		In Scientia Naturali.	In Linguis Recentioribus.
		Schol. Fac.	Schol. Art.		
Poyntz Wiggins, ex.	Bowman Poyntz Wiggins	Nickerson, B.A.		Chem. Org.	1 Gall. Hamilton Bowman Owen } Shreve } Poyntz Gilpin
—	—	Wheelwright	Gilpin Hamilton T. S. Peters F. Peters	Wiggins, ex. Armstrong, ex.	F. Peters T. S. Peters Boyd, ex.
Owen Shreve } Harding } Daniel Maynard Boyd, ex. Armstrong, ex.	Armstrong Shreve Owen Harding Boyd Maynard Daniel	Wiggins		Chem. Pract. Bowman	2 Gall. Harding Daniel Budd } Coleman } Armstrong, ex.
—	—	Shreve Owen Boyd Armstrong Maynard		Chem. Phys.	3 Gall. Maynard Hamilton Keating } Tremain } Wiggins, ex.
Gilpin Budd Keating Hamilton F. Peters Coleman Fullerton Tremain T. S. Peters	F. Peters Keating Gilpin Hamilton Fullerton Budd Tremain T. S. Peters Coleman	Keating Tremain		Bowman Wiggins, ex. Shaw	1 Teut. Bowman Wiggins, ex.
—	—	Keating Tremain		Shaw	2 Teut. Hamilton Shreve Gilpin F. Peters T. S. Peters

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, Electricity 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 Germanorum.

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 Philipians.

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 Praelections.

S. P. Fairbanks, Esq.—Acadian Geology.

Rev. D. Moore, 2 vols. Old Literature.

Smithsonian Institute—vol. 15.

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

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

"Vox Ecclesiae," 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.

University Examinations.

GENERAL WILLIAMS' PRIZE.

FRENCH.

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 masse 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 qui 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 ne sut ni la prévoir ni la comprendre ni l'accepter ; elle ne sut que l'agacer et la haïr. Elle se réfugia dans une cour, au 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'entraîna, 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. 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 venger.

D. R. De quoi ?

D. D. 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'infinif, le participe présent, et le participe passé des verbes qui suivent : Accomplir, souffrir, meurent, vivre, croître, suit.

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

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 mother.

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

5.—Comment *ciel* et *œil*, 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,

GENERAL WILLIAMS' PRIZE.

GERMAN.

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:—

"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 Bewirthing 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 dnr Götter."

"Freudlos in der Freuden Fülle,
Ungesellig und allein,
Wandelte Cassandra 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 nah."

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.

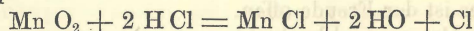
I have to finish for the present, and remain very affectionately, &c.

GENERAL WILLIAMS' PRIZE.

MINERALOGY APPLIED TO MINING.

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



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.

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.

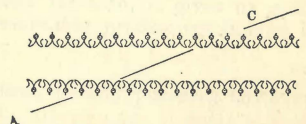
Examiners { JOHN BROOKING YOUNG, Esq., Civil Engineer.
 CHARLES ODELL, Esq., Civil Engineer.

I.

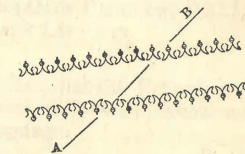
- 1.—Describe the adjustments necessary for observations with the Theodolite or Level.
- 2.—How is the meridian determined by the ordinary methods?
- 3.—What are contour lines?
- 4.—Describe the methods of finding the position of soundings, and state how position and depth could be ascertained in a very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

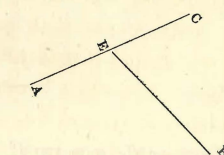
- 1.—What are the instruments commonly used for Levelling?
- 2.—What is the difference in construction between the Y and Dumpy Levels?
- 3.—Give an example of the best and simplest form of keeping the field notes of continuous levels?
- 4.—Give an example of the method of setting out slope stakes (with the level) in the field, for cuttings or embankments, where the ground is irregular—slopes $1\frac{1}{2}$ 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 AC inaccessible at C. Show how the distance AC 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 instrument.
- 9.—Show how to measure the distance AB on a tangent, the point B being inaccessible.

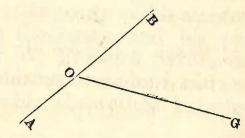


- 10.—Having given the angle CEB, formed by the intersection of two straight lines, required the point A or B at which to commence a curve of given radius.



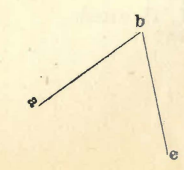
- 11.—What is the deflection angle of a curve?
- 12.—What is the tangential angle of a curve?

- 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.

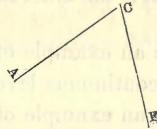
- 15.—Find the angle a b e formed by two tangents, when the point b is inaccessible.



- 16.—What is a compound curve?

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?

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.

B. C.
J. L.

The Venerable the Archdeacon.

WINDSOR, 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 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.

Venerable and Dear Sir,—

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.

Number of marks possible to be obtained for full and illustrated answers to all the questions.....	1500
Number of marks obtained by Mr. P. Shreve.....	950
do. do. by " J. S. Armstrong.....	860
do. do. by " H. T. Harding.....	700

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.

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.

HALIFAX, July 17, 1868.

Reverend Sir,—

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.

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.

HOURS OF PRAYER.....7 a. m. 3.30 p. m.
HOURS OF MEALS.....Breakfast 8, Dinner 3.50.
MORNING BELL.....6.30 a. m.
EVENING BELL.....10 p. m.

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.
Greek Testament. Bloomfield's do. 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. Browne on the Articles.
Hore Paulinæ. Pearson on the Creed.
Butler's Analogy. Magee on the Atonement.
Jewel's Apology. Graves on the Pentateuch.
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 of
Moshiem's do. do.	England.
Burton's do. do.	Hardwicke's Reformation.
Adolphus' do. do.	Bingham's Origines Sacræ.
Connections of Prideaux, Shuck- ford and Russell.	Riddle's Christian Antiquities. 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

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.

MATHEMATICS, NATURAL PHILOSOPHY AND
ASTRONOMY.

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.

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.

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.

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.

Practical Chemistry.

Mineralogy Applied to Mining.

TEXT BOOKS.

Chemical Physics.—YOUMAN'S.

Inorganic Chemistry.—MACADAMS WILSON.

Organic Chemistry.—YOUMAN'S.

Practical Chemistry.—FRESSENIUS.

Mineralogy, etc.—PHILLIPS' *Metallurgy*.

Books of Reference in the College Library.

GERMAN.

First Year.

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 Francaise, par Boniface*, an excellent book, containing all the varieties of style to be found in French authors.

GERMAN.

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.



LIST OF STUDENTS BEFORE THE CHARTER,
1788 to 1802.

AS FAR AS CAN BE ASCERTAINED.

J. Inglis	C. Campbell	B. G. Gray	J. R. Dewolf
J. Bisset	D. Campbell	H. Hill	— Fitch
W.F. Bonnell	G. Day	C. Perkins	P. Wright
G. Haliburton	W. Day	H. Monk	M. Wright
G.M Haliburton	J. Van Cortlandt	W. McGeachy	E. Boyd
S. Head	A. A. Van Cort-	H. Barclay	W. Hulme
M. Head	landt	J. Monk	— Wylie
T. Murray	J. Cunningham	W. Monk	— Wylie
J. Upham	C. W. Weeks	R. Christie	T. Beardsley
E. Arnold	J. Cochran	H. Howe	W. Bowen
J. S. Arnold	T. Cochran	A. Howe	T. Britain
W. Geddes	H. H. Cogswell	D. Barclay	P. H. Clarke
H. Best	M. G. Black	J. DeLancy	— Chalmers
J. Tremain	W. Cochran	O. DeLancy	S. Dimock
I. Hammill	T. Barclay	J. E. Fairbanks	— Laird
J. Hammill	B. Barclay	S. P. Fairbanks	F. Emerson
T. C. Hammill	G. Barclay	D. Knapp	H. Emerson
H. McMonagle	W. Gray	J. T. Knapp	B. Monk
T. C. Emerson	W. DeLancy	— Taylor	W. Monk
O. Emerson	A. Gray	— Sneden	T. Ruggles
L. Hartshorne	J. DeLancy	W. Robinson	J. Thompson
M. Leonard	C. R. Fairbanks	J. Bliss	— Walton
R. Inglis	W. Thompson	T. Tremain	W. Bernard
A. Inglis	C. Uniacke	J. Boggs	G. Harris
S. Fraser	R. Uniacke	J. Fawson	F. Holland
W. Shey	D. Hammill	B. Wentworth	— Holland
J. Clarke	R. Hammill	W. Twining	

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

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	H. J. Fitzgerald
R. Viets	D. L. Robinson	F. W. Miles	E. L. Brinley
1804	L. M. Wilkins	H. E. Cogswell	J. J. Curren
C. J. Morris	R. Claiborne	E. S. Freer	G. Hill
J. W. Nutting	G. P. Bliss	F. S. Crawley	1826
1805	H. N. Arnold	M. I. Wilkins	G. Botsford
A. W. Cochran	J. Peters	1821	C. Botsford
A. Barclay	C. W. Wallace	H. King	J. H. Clinch
E. J. Jarvis	1816	J. C. Cochran	1827
1807	E. A. Crawley	A. Gray	J. Stevenson
H. Binney	F. W. Morris	1822	J. L. Trimmingham
C. Ingles	C. Twining	S. E. Arnold	J. W. Ratchford
T. Paddock	1817	G. S. Jarvis	W. E. Scovil
J. Boyd	J. Shreve	C. O. Wiggins	C. Cogswell
1809	G. McCawley	J. Black	J. Dunn
J. Cochran	G. L. Wiggins	J. U. Jeffery	PM Cunningham
J. T. Twining	H. W. Crawley	R. H. Peters	1828
W. B. Bliss	A. Gilpin	E. C. Barss	J. S. H. Smith
1810	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	C. H. Wallace	M. B. Desbrisay	J. H. Gray
J. T. Murray	C. Inglis	H. Pryor	G. P. Despard
1812	C. W. H. Harris	H. B. Twining	A. F. Welsford
H. L. Tremain	R. F. Hazen	W. Cogswell	1829
G. W. Morris	P. A. Knaut	W. Wright	C. J. Haliburton
N. Parker	E. C. Campbell	C. Fowle	T. C. Leaver
H. Bliss	T. H. White	1820	H. L. Owen
1813	J. W. Weeks	1824	J. Morris
E. Monk	O. S. Weeks	J. M. Campbell	T. G. S. Suther

T. B. Wilson	1837	1844	1850
T. N. Jeffrey	G. A. Viets	F. H. Almon	A. W. Savary
1830	J. Stewart	C. W. Weldon	T. C. DesBarres
H. H. Hamilton	J. H. Thorne	A. Gilpin	J. N. Ritchie
P. Philips	1838	W. Seaman	J. T. Moody
W. J. Almon	D. D. Stewart	F. Carrington	1851
R. Prescott	J. Harvey	P. D. H. Neilson	R. Uniacke
J. J. Ritchie	C. J. Stewart	1845	N. Uniacke
G. Townshend	E. Simonds	R. M. Hazen	1852
E. Cunard	W. Black	T. T. Hanford	J. Randal
S. Boggs	1839	R. G. Haliburton	T. Crisp
1831	R. McLearn	C. E. Knapp	C. McColla
H. H. Hatch	J. H. Mayne	C. H. Uniacke	A. Moren
G. H. McColla	R. F. Brine	G. W. T. Jarvis	H. M. Jarvis
T. Maynard	L. M. W. Hill	R. E. Smith	R. J. Uniacke
J. E. W. Inglis	R. Simonds	H. B. Swaby	1853
S. J. Scovil	P. J. Filleul	W. H. Tremain	H. P. Almon
G. H. Dewolf	M. Jarvis	J. S. Smith	B. Sawyer
A. W. Millidge	1840	L. M. Wilkins	W. S. Gray
H. P. Hill	J. E. Owen	1846	A. E. Uniacke
W. S. Witham	S. D. Brown	R. H. Bullock	P. W. Smith
J. M. Sterling	T. J. Pope	W. Stewart	R. S. Braine
W. Howe	A. Wright	H. M. Spike	1854
1832	D. J. Wetmore	1847	L. H. Bliss
W. M. Godfrey	C. L. Ingles	C. Allison	C. J. Bonnett
J. Hudson	J. J. S. Mountain	J. Breeding	J. J. Hill
S. L. Shannon	C. J. Simonds	N. Fairbanks	O. Grindon
C. L. Porter	L. M. A. Gallenga	H. DeBlois	J. W. Tays
1833	A. H. Weeks	W. King	G. Green
W. M. Howe	W. T. Morris	1848	O. Ruggles
S. Brough	J. B. Vankoughnet	W. Hazen	1855
S. Buchan	H. Pope	C. Bowman	H. Sterns
1834	H. G. Farish	R. M. Campbell	W. Lawson
M. W. Porter	1843	W. R. Cochran	W. M. Moren
J. C. Cogswell	W. H. Cooper	W. Laird	R. F. Uniacke
1835	W. Taylor	M. Swaby	W. J. K. Myers
C. W. Leaver	W. Gray	J. B. Butler	W. H. Hill
G. W. Ritchie	B. Gray	F. Allison	A. Mitchell
E. E. B. Nichols	T. W. Robertson	R. S. Sterns	1856
E. P. DeBlois	T. Blackman	J. Ambrose	A. J. Cowie
C. S. Jeffrey	B. Curren	W. Stewart	H. M. Gray
T. Williams	R. T. Roach	R. Payne	J. Fraser
P. C. Hill	J. H. Stewart	1849	J. B. Van Buskirk
J. Odell	D. W. Pickett	C. G. Wiggins	H. L. Ruggles
J. Cunningham	E. Gilpin	J. M. Hensley	
C. Merritt	G. W. Hill	W. R. Pickman	

1857
 T. A. Shaw
 J. F. Mack
 H. Clarke
 E. Ansell
 E. Ansell
 C. J. Uniacke

1858
 T. C. Leaver
 G. W. Hodgson
 L. M. Wilkins
 G. Scott
 W. B. Almon
 W. F. Pryor
 J. B. Uniacke
 W. D. Sutherland
 M. Bowman

1859
 C. J. Townshend
 C. W. McCully
 B. Smith
 W. H. E. Bullock
 H. Brown
 D. Brown
 A. Fraser
 D. D. Harrington
 W. B. Armstrong
 R. Matthew
 E. N. Sharpe
 J. A. Jack

1860
 H. Wainwright
 A. C. F. Wood
 C. B. Bullock
 J. A. Kaulbach
 P. Lynch

C. Holden
 J. J. Moore
 W. L. B. McKiel
 W. M. Lyttleton
 H. C. Boyd
 T. Almon
 W. H. Jamison
 N. W. Hoyles
 A. D. Jamison

1861
 J. P. Sargent
 W. Archibald, E. S.
 H. C. Carman
 T. Ward, E. S.
 W. H. L. Cogswell
 J. Harris
 J. P. Chandler
 J. Burgess
 A. Barclay

B. Richardson
 J. Chandler
 G. Armstrong
 A. Brown
 E. C. Milner
 T. M. King
 C. P. Cochran, E. S.
 A. Merkel
 F. Kinnear
 G. McNutt
 F. Fairbanks
 F. Harding
 V. C. Croucher

1862
 F. Bowman
 C. W. Payzant
 R. Haire
 T. Maynard

C. M. Almon
 T. Trenaman, E. S.
 J. C. Cox
 J. Fretwell
 J. F. Black
 W. E. Scovill
 W. Bennison, E. S.

1863
 C. Matthew
 H. Chipman
 R. Davis
 L. S. Symonds
 F. Borden

1867
 Edwin Gilpin
 S. P. F. Morse
 T. H. Budd
 J. L. Keating
 C. S. Hamilton
 J. P. Tremain
 C. A. Coleman
 T. S. Peters
 F. Peters

1868
 E. Barton
 — Fullerton
 W. Shaw, E. S.
 E. Ruggles
 F. Archbold
 R. Uniacke
 Q. Wright
 C. King

1864
 T. Boone
 G. King
 H. Weldon
 C. Almon, E. S.
 W. H. Tilley
 E. H. Owen

1865
 J. S. Armstrong

C. Wheelwright
 L. C. Deveber
 J. R. Armstrong
 J. Poyntz

1866
 J. B. Dickey
 S. Boyd
 W. Wade
 R. S. Mutch
 M. Maynard
 R. Daniel

1867
 Edwin Gilpin
 S. P. F. Morse
 T. H. Budd
 J. L. Keating
 C. S. Hamilton
 J. P. Tremain
 C. A. Coleman
 T. S. Peters
 F. Peters

1868
 E. Barton
 — Fullerton
 W. Shaw, E. S.
 E. Ruggles
 F. Archbold
 R. Uniacke
 Q. Wright
 C. King

GRADUATES OF KING'S COLLEGE, 1806—1868.

Rev. J. T. Twining.....1828
 Rev. G. McCawley.....1835
 Rev. J. Shreve.....1836
 Rev. G. S. Jarvis.....1840
 Rev. J. W. D. Gray.....1846
 Rt. Rev. Hibbert Binney....1852
 Rev. E. Gilpin.....1863

D. D.

Rt. Rev. John Medley ... 1864
 Rev. Wm. Bullock.....1865
 Rev. R. J. Uniacke.....1866
 Rev. T. H. White.....1866
 Rev. J. M. Hensley... ..1867
 Rev. W. H. Cooper... ..1868

D. C. L.

Rev. Hibbert Binney.....1827
 Harry King... ..1835
 Rev. S. E. Arnold.....1836
 Rev. A. V. G. Wiggins....1841
 Rev. T. G. S. Suther.....1852
 T. J. M. W. Blackman....1856
 R. Binney... ..1857
 J. J. S. Mountain.....1858
 J. R. Hea.1858

Henry Pryor.....1858
 H. Hartshorne.....1858
 J. C. Cogswell.....1858
 P. C. Hill1858
 F. Duncan.....1861
 B. Curren.....1864
 J. D. Everett.....1864
 Sir R. G. Macdonnell.....1865

HONORARY D. C. L.

W. B. Almon.....1810
 R. Bayard1811
 Rt. Rev. A. G. Spencer....1827
 Ven. G. O. Stuart.....1827
 Rev. G. Millidge.....1827
 Rev. T. B. Rowland.1827
 Sir James Stuart, Bart....1827
 B De St Croix1827
 A. Barclay1827
 Hon. A. W. Cochran1840
 Rev. L. C. Jenkins.....1842
 L. Bell1844

Hon. H. H. Cogswell.....1847
 Ven. R. Willis.....1848
 A. M. Uniacke.....1855
Maj.-Gen. Sir J. E. W. Inglis 1858
Lt.-Gen. Sir W. F. Williams .1858
 J. Anderson1861
 H. How.....1861
 Hon. W. B. Bliss.....1863
 Rev. D. Honeyman.1864
 T. B. Akins.....1865
 Beamish Murdch, Q. C ...1867
 J. W. Nutting, Proth.....1868

B. D.

Rev. J. M. Hensley.....1863
 Rev. R. J. Uniacke.....1866

Rev. T. H. White.....1866
 Rev. W. H. Cooper.....1868

M. D.

B. D. Fraser.....1859
 C. Tupper.....1859

AD EUNDEM GRADUM.

W. J. Almon.....1859
 C. Cogswell1859

M. A.

W. B. Bliss.....	1816
J. Lawson	1817
G. E. W. Morris.....	1821
R. F. Uniacke.....	1823
J. B. Uniacke.....	1823
E. A. Crawley.....	1823
H. N. Arnold.....	1825
W. B. King.....	1826
C. J. Morris.....	1827
O. S. Weeks.....	1827
J. Black.....	1829
J. S. Clarke.....	1830
W. Cogswell.....	1830
H. Pryor.....	1830
H. J. Fitzgerald.....	1831
J. Pryor.....	1831
M. B. Desbrisay	1832
J. C. Cochran.....	1832
R. B. Wiggins.....	1832
J. Stephenson.....	1833
A. Gray.....	1833
J. T. T. Moody.....	1833
J. H. Clinch.....	1833
W. E. Scovil.....	1834
E. C. Barss.....	1835
G. L. Wiggins.....	1836
C. O. Wiggins.....	1839
E. E. B. Nichols.....	1847
J. B. Smith.....	1848
E. Gilpin.....	1850
J. T. Jones.....	1851
J. J. Ritchie.....	1851
J. Stewart	1851
C. W. Weldon.....	1851
R. Parker.....	1851
T. C. Haliburton.....	1851
J. Odell.....	1851

R. G. Haliburton.....	1852
G. W. Hill.....	1853
T. C. Leaver.....	1853
E. Maturin.....	1853
R. H. Bullock.....	1855
J. R. Hea.....	1855
G. Townshend.....	1856
J. Ambrose.....	1856
J. M. Hensley.....	1856
T. Maynard.....	1857
D. W. Pickett.....	1857
W. Stewart.....	1857
A. W. Savary.....	1857
C. Bowman.....	1858
T. C. Desbarres.....	1858
J. N. Ritchie.....	1858
T. D. Ruddell.....	1858
B. Curren.....	1859
Joseph D. Everett.....	1860
H. P. Almon.....	1861
A. Moren.....	1861
J. W. Disbrow.....	1862
J. O. Ruggles.....	1863
R. F. Uniacke.....	1863
W. G. T. Jarvis.....	1863
J. Randall.....	1863
J. J. Hill.....	1863
Rev. J. Forsyth.....	1864
G. W. Hodgson.....	1864
W. S. Harvey.....	1865
F. Allison.....	1865
T. Crisp.....	1865
W. H. Cooper.....	1868
T. C. Leaver.....	1868
A. C. Wood.....	1868
W. H. Bullock.....	1868
J. A. Kaulbach.....	1868

B. A.

R. Viets.....	1807
W. Hill.....	1807
W. P. G. Fraser.....	1809
E. J. Jarvis.....	1809
A. W. Cochran.....	1809
J. W. Nutting.....	1810
C. Ingles.....	1811

C. A. Shreve.....	1815
H. Bliss.....	1816
N. Parker.....	1816
J. T. Murray.....	1816
D. L. Robinson.....	1818
J. Peters.....	1819
L. M. Wilkins.....	1819

C. Twining.....	1820
A. Gilpin.....	1822
W. W. Walker.....	1822
J. C. Hall.....	1823
C. H. Wallace.....	1823
W. Wright.....	1823
C. W. H. Harris.....	1823
J. W. Weeks.....	1824
T. R. Wetmore.....	1824
A. D. Parker.....	1824
F. W. Miles.....	1824
H. E. Cogswell.....	1824
Martin I. Wilkins.....	1824
H. Hartshorne.....	1824
J. C. Cochran.....	1825
Arch. Gray.....	1825
H. B. Twining.....	1827
T. H. White.....	1827
J. M. Campbell.....	1827
E. S. Freer.....	1828
J. J. Millidge.....	1828
J. Johnston.....	1829
J. G. P. Haliburton.....	1831
J. Dunn.....	1831
C. Cogswell.....	1831
C. J. Shreve.....	1832
P. M. Cunningham.....	1832
R. B. Porter.....	1832
J. S. Thompson.....	1832
J. H. Gray.....	1832
G. P. Despard.....	1832
C. J. Haliburton.....	1832
W. H. Snyder.....	1832
T. B. Wilson.....	1833
H. L. Owen.....	1833
H. H. Hamilton.....	1834
W. J. Almon.....	1834
S. Boggs.....	1834
S. Brough.....	1834
J. Hudson.....	1834
J. Morris.....	1835
J. R. Prescott.....	1835
W. Howe.....	1835
T. Maynard.....	1835
S. L. Shannon.....	1836
C. K. Porter.....	1836
A. W. Millidge.....	1836

J. M. Sterling.....	1836
W. M. Howe.....	1837
J. C. Cogswell.....	1838
Wm. M. Godfrey.....	1838
C. S. Jeffery.....	1840
J. H. Thorne.....	1840
P. C. Hill.....	1840
C. Merritt.....	1840
W. S. Black.....	1840
G. W. Ritchie.....	1842
D. D. Stewart.....	1842
R. McLearn.....	1843
G. Townshend.....	1843
R. F. Brine.....	1843
C. Simonds.....	1843
P. J. Filleul.....	1843
R. Simonds.....	1843
L. M. W. Hill.....	1843
J. Harvey.....	1844
D. J. Wetmore.....	1845
C. L. Inglis.....	1845
J. J. S. Mountain.....	1845
A. H. Weeks.....	1846
W. T. Morris.....	1846
B. J. Vankoughnet.....	1846
W. H. Cooper.....	1846
H. G. Farish.....	1846
W. Taylor.....	1847
B. Curren.....	1847
D. W. Pickett.....	1847
D. S. Hamilton.....	1847
W. Gray.....	1847
B. Gray.....	1847
F. H. Almon.....	1848
A. Gilpin.....	1848
J. S. Smith.....	1849
R. E. Smith.....	1849
H. B. Swabey.....	1849
R. M. Hazen.....	1849
W. T. Jarvis.....	1850
H. Spike.....	1850
R. T. Roach.....	1850
D. Stewart.....	1850
C. Allison.....	1850
H. DeBlois.....	1851
W. Hazen.....	1852
T. Hanford.....	1852

W. R. Cochran.....	1852
M. Swabey.....	1852
J. B. Butler.....	1852
F. Allison.....	1852
R. S. Sterns.....	1852
J. Ambrose.....	1852
W. Stuart.....	1852
J. M. Hensley.....	1853
C. G. Wiggins.....	1853
T. Blackman.....	1853
W. R. Pickman.....	1853
A. W. Savary.....	1854
J. N. Ritchie.....	1854
J. T. Moody.....	1854
T. C. DesBarres.....	1855
N. F. Uniacke.....	1855
R. Uniacke.....	1855
J. Randall.....	1855
T. Crisp.....	1856
A. Moren.....	1856
H. M. Jarvis.....	1866
R. J. Uniacke.....	1856
T. D. Ruddell.....	1857
C. McColla.....	1857
H. P. Almon.....	1857
W. S. Gray.....	1857
R. T. Braine.....	1857
P. W. Smith.....	1857
L. H. Bliss.....	1858
J. J. Hill.....	1858
O. M. Grindon.....	1858
J. W. Forsythe.....	1858
Henry Sterns.....	1859
J. O. Ruggles.....	1859
R. F. Uniacke.....	1859
A. L. Mitchell.....	1859
T. C. Leaver.....	1860
E. Ansell.....	1861
G. W. Hodgson.....	1861
L. M. Wilkins.....	1861
W. F. Pryor.....	1862
J. B. Uniacke.....	1862
W. D. Sutherland.....	1862
M. Bowman.....	1862

✓C. J. Townshend.....	1863
✓B. Smith.....	1863
✓W. H. E. Bullock.....	1863
✓W. B. Armstrong.....	1863
✓C. W. McCully.....	1863
✓H. S. Wainwright.....	1863
W. E. Scovil.....	1863
✓J. A. Jack.....	1863
✓C. B. Bullock.....	1864
✓A. C. Wood.....	1864
✓C. Holden.....	1864
✓Albert Kaulbach.....	1864
✓Daniel Harrington.....	1864
✓W. B. McKiel.....	1864
✓Joseph Moore.....	1864
✓W. H. Jamison.....	1864
✓A. D. Jamison.....	1864
✓John P. Sargent.....	1864
Wm S. Harvey.....	1865
✓F. Fairbanks.....	1865
✓F. Harding.....	1865
✓A. Brown.....	1865
✓T. M. King.....	1865
✓H. S. Poole.....	1865
✓J. B. Richardson.....	1865
✓C. Croucher.....	1865
✓F. Kinnear.....	1865
✓J. P. Chandler.....	1866
✓J. F. Black.....	1866
✓Joshua Chandler.....	1866
✓R. Haire.....	1866
✓C. W. Payzant.....	1866
✓J. C. Cox.....	1866
✓H. Chipman.....	1867
✓R. Davis.....	1867
✓L. S. Symonds.....	1867
✓F. Borden.....	1867
✓A. Smith.....	1867
✓D. Nickerson.....	1867
✓G. Metzler.....	1867
✓F. Brown.....	1867
✓C. Matthew.....	1868
✓G. H. King.....	1868
✓H. Weldon.....	1868

Collegiate School, Windsor, N. S.

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

This School has been re-opened, and is in full operation under the charge of the Rev. G. B. DODWELL, for several years Head Master of Campden Grammar School, Gloucester, England, and late Professor in Lennoxville College, Canada East, who comes with the highest recommendations as a successful and experienced teacher in all the usual branches of a Classical and English Education.

Instruction will also be given in French, Spanish and Italian, with the assistance of Professor Stiefelhagen, Ph. D.

Parents who may send their sons may be assured that, besides due attention to their religious, moral and intellectual training, every care will be taken of their personal comfort in the household department, under the maternal supervision of Mrs. Dodwell, who has had large experience in that respect.

For further information application can be made to the Venerable the President of King's College, at Windsor, or to the Rev. Canon Cochran, M. A., Secretary to the Governors, at Halifax.

☞ For additional particulars, reference may be made to page 19 of this Calendar.

1861.....	H. DeBlois
1862.....	W. Hazen
1863.....	T. Hanford

1860.....	S. I. Shannon
1861.....	C. K. Porter
1862.....	A. W. Millidge

Practical Chemistry and Chemical Analysis.

KING'S COLLEGE, WINDSOR.

The Governors of King's College have to announce that they have imported a collection of apparatus and chemicals, and fitted up a Laboratory, suitable to the prosecution of chemical researches, under the superintendence of the Professor of Chemistry in the University.

Professor How, who has acquired his experience in the first laboratories of England and Scotland, is now prepared to direct the studies of those who may wish to become acquainted with the practical details of a science, the knowledge of which is valuable to all, and necessary to those who follow certain avocations. Students may pursue, independently of others, and at hours convenient to them, a general course of experimental chemistry, and after acquiring a sufficient acquaintance with the modern modes of analysis, direct their attention to any particular branch of study, (as for example, agricultural, metallurgic, mineral or medical chemistry,) in which they may wish to pursue original investigations.

A scale of fees is made out, payable by all who engage in these practical studies, to indemnify the Governors for necessary loss of material involved; the fees are regulated according to the number of hours and days devoted to the subject; apparatus is supplied for students' use, and all breakages to be made good by them at cost price. The Professor is also ready to take all kinds of Analysis, as of Coal, Metallic Minerals, Agricultural Produce, Soils, Manures, Waters, etc., that may be submitted to him, and for professional consultation, verbally or by letter, at the College, on matters of Chemistry.

A scale of fees has been arranged, modelled on those usual in Great Britain and the United States, and, while moderate, adapted, as well as can be foreseen, to the particular cases likely to arise.

For scale of fees and hours, references to be made to the Rev. J. C. COCHRAN, Secretary to the Governors at Halifax; or to the Professor, at King's College.

The Calendar

OF

KING'S COLLEGE,

WINDSOR, NOVA SCOTIA.

[Founded A. D. 1788.]



A. D. 1869.

PUBLISHED UNDER THE DIRECTION OF THE BOARD OF GOVERNORS.

HALIFAX, N. S.
JAMES BOWES & SONS, BEDFORD ROW,
1869.