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REPORT

OF THE

MONTREAL

Padies' Kalucational Association

TWELFTH SESSION-1882-3.

WITH PROSPECTUS R 1883-4.

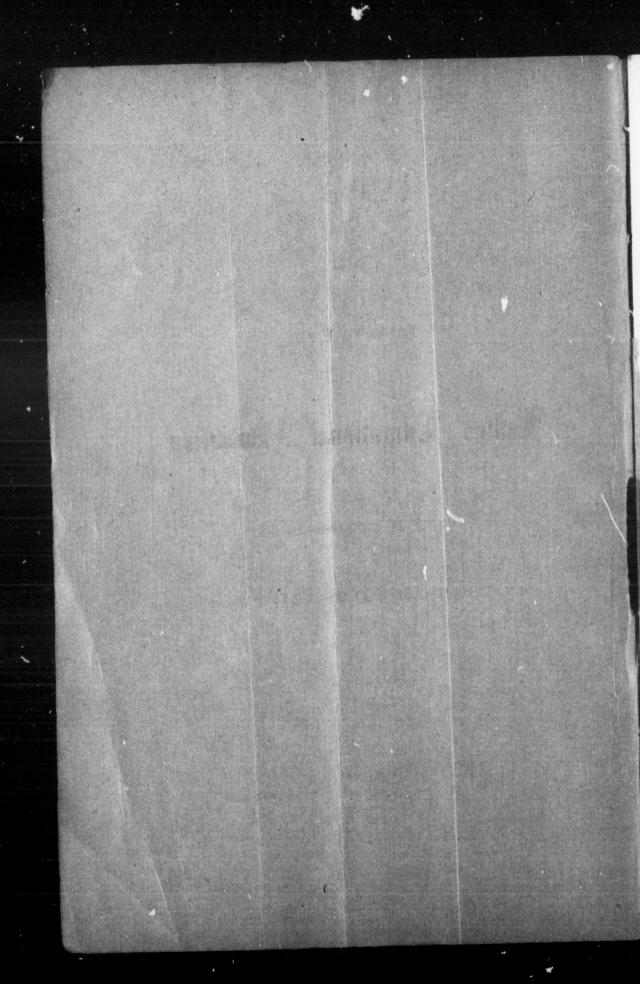
Montreal:

PRINTED BY THE GAZETTE PRINTING COMPANY.



1883





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LADIES' EDUCATIONAL ASSOCIATION.

-000-Patroness:

HER ROYAL HIGHNESS THE PRINCESS LOUISE.

Vice-Patroness:

MRS. MOLSON.

President:

MRS. REDPATH.

Honorary Secretary: MRS. MERCER.

Vice-Presidents:

MRS. DAWSON, MRS. GREENSHIELDS.

Honorary Treasurer:

JOHN MOLSON, Esq.

General Committee:

Honorary Members: { MRS. JOHN HENRY MOLSON. MRS. G. W. SIMPSON.

Mrs. Bovey, Miss CAMPBELL, Mrs. Cassels, Mrs. S. E. Dawson, Mrs. John Fraser, Lady GALT, Miss Mackay Gordon, Mrs. E. K. GREENE, Mrs. HAGUE,

Mrs. HINGSTON, Mrs. Lewis, Miss Lunn, Mrs. MACKAY, Mrs. JOHN McDougall, Mrs. HUGH MCLENNAN, Mrs. R. MOAT, Miss REDPATH, Mrs. H. C. Scott,

Mrs. SKELTON, Mrs. LESLIE SKELTON, Miss SYMMERS, Mrs. Joseph Tiffin, Jr., Mrs. R. M. Watson, Hon. Mrs. Waud, Mrs. WHEELER, Mrs. Thos. WORKMAN.

Executive Committee:

Mrs. Fraser, Miss REDPATH,

Mrs. Lewis,

Miss Lunn, Mrs. H. C. Scott.

Monogany Members:

Hon. Chas. Dewey Day, D.C.L., LL. D.
Principal Dawson, LL.D., F.R.S., F.G.S.
Ven. Archdeacon Leach, D.C.L., LL.D.
Hon. J. J. C. Abbott, D.C.L., Q.C.

Prof. P. J. Darby, M.A., B.C.L.
Rev. Prof. Cornish, LL. D.
T. Sterry Hunt, Esq., LL.D., F.R.S.
Professor Goldwin Smith, M.A.

Communications should be addressed to

Miss HELEN GAIRDNER,

Assistant-Secretary,.

15 St. Edward Street.

LIST OF MEMBERS, SESSION 1882-3.

Miss Anable. Mrs. Bagg.

" Barnard.

Miss M. E. Baylis.

Blackader. Mrs. Bovey.

Budden.

Miss Bryson.

Campbell. 46

S. Campbell.

Capel.

Mrs. Cass.

Cassels.

41 Claxton. 66 Dawson.

S. E. Dawson. 66

W. V. Dawson.

A. T. Drummond. G. C. Dunlop. "

46

Faye. "

46 Finley.

" John Fraser.

Miss Fry.

" H. Gairdner.

Lady Galt.

Mrs. Gillespie. Miss Mackay Gordon.

Mrs. E. K. Greene.

Mrs. Greenshields.

Hague. 66

E. Gay Hamilton. 44

Miss Hastie.

Mrs. Hingston.

Hogan.

Miss G. Hunter.

Mrs. A. Jack.

" Alex. Johnson.

66 Kemp.

Miss Lawder.

Mrs. Lewis.

Miss Lunn.

" Macfarlan.

Mrs. Mackay.

Miss McDonald.

Mrs. John McDougall.

Miss McLaren.

Mrs. Hugh McLennan.

Miss McLeod.
" McNab.

Mrs. Mercer.

" Mercer 2nd.

Miss Mercer.

Mrs. R. Moat.

" Molson.
" J. H. Molson.

Miss Morris.

Mrs. Nicholson.

Miss Ogilvy.

" Paton.

Mrs. A. Perkins.
W. E. Phillips.

Miss E. A. Ramsay.

Mrs. Redpath.

Miss Redpath. Mrs. M. H. Sanborn.

H. C. Scott.

44

Shepherd.

Skelton. 66

L. Skelton.

Miss Smart.

Stirling. 66

Symmers.

Symmers 2nd.

Symmers 3rd. "

Symmers 4th. 66

Mrs. Tiffin.

" R. M. Watson. Hon. Mrs. Waud.

Wheeler. Mrs.

White.

" Wilkes.

"

Williams.

Thos. Workman.

REPORT

OF THE

Montreal Padies' Kducational Association.

TWELFTH SESSION, 1882-1883.

The Annual Meeting of the Association was held on May 8th, 1882, the Rev. Principal MacVicar in the chair. The Report of the Session 1881-2 was read by the Rev. E. J. Houghton, and during the transaction of business, and in moving and seconding the usual resolutions, Dr. Dawson, the Rev. Canon Norman, Dr. Clark Murray, and Mr. Gould spoke on the different subjects in the programme of the next as well as on the work of the past Session. At the General Committee Meeting held on May 11th, it was resolved that in future the Report should contain special mention of the Annual Meeting, and that this mode should be adopted of formally thanking those gentlemen who showed their interest in the Association by so kindly speaking in its behalf.

The Session 1882-3, the twelfth of the Association, opened on Sept. 28th, with an Inaugural lecture by Professor Moyse, which was largely attended and of great

interest.

On Monday, Oct. 2nd, Dr. Buller gave the introductory lecture of his course on "The External Senses." During the whole course the number of auditors was most satisfactory, but the students enrolled not as numerous as in preceding years, the subject being considered difficult—Dr. Buller's letter is appended.

MONTREAL, April 12th, 1883.

The Honorary Secretary, Ladies' Educational Association.

Madam,—The results of the examination upon the course of lectures on "The External Senses," which I had the honor to deliver before the Ladies' Educational Association last autumn, were as follows:—Of the nineteen candidates who presented themselves for examination, eight were entitled to rank in the first class, seven in the second, and four in the third. On the whole, the answers were extremely satisfactory, and I do not exaggerate in saying that many of the papers were worthy of the highest commendation.

I am, dear Madam, Yours respectfully,

F. BULLER, M.D.

Professor Moyse opened his course on the Elizabethan Literature by an introductory lecture on Thursday, Oct. 5th. During these lectures also the attendance was large, and the greatest interest manifestly evinced in the subject and manner of bringing it before the audience. Professor Moyse most kindly placed a number of rare editions of various works illustrative of the subject at the Library of the Association for the use of students. The letter given is so full that no further comment is needed.

MONTREAL, January 9th, 1883.

To the Honorary Secretary,

Ladies' Educational Association.

Madam,—I beg herewith to submit to you the result of the examination on the English literature of the Elizabethan period, held last month. It is as satisfactory, on the whole, as those of former years; indeed, the number of first class certificates is proportionately greater than usual. There has been, as before, evidence of genuine study, not only of the matter brought forward in the lectures, but also of the works of Elizabethan authors. The marks earned by the candidates, respectively, speak for themselves, but I may add, that the answers of No. 4 are at once very detailed and correct, while those of No. 28 show a clear grasp of the subject and are neatly put together. Nos. 24 and 31 have sent up excellent papers and follow closely on the leaders. The first seven sets of answers are worthy of mention in this report, although the interval between the first four and the remainder is rather more marked than in previous examinations. Some of the students have spent too much time over certain portions of the paper, and have accordingly not attained the position to which their knowledge evidently entitled them. No. 22 is a conspicuous example of this.

The decrease in the number of competitors—24 this year as against 39 two years ago-is noteworthy, but the large attendance of hearers, and the uniform interest displayed by all, warrant me in supposing that the falling

off is due to some external cause or causes.

I have the honor to be, Madam,

Yours very faithfully, CHAS. E. MOYSE, B.A., Lond., Lecturer.

On Thursday, Jan. 11th, Dr. Dawson gave the opening lecture of his course on "Invertebrate Animals," the first attended by ladies in the Peter Redpath Museum, an era in the history of the Ladies' Educational Association.

this important advantage is due to Dr. Dawson's influence and interest in the Association, its members beg to thank him again for his continued kindness as well as for his most interesting course of lectures. It is unnecessary to say that with Dr. Dawson as a lecturer, and on one of his favorite subjects, the lectures were most attractive. They were illustrated by numerous diagrams and specimens, and Dr. Dawson gave further, on each Friday, valuable time to those students who availed themselves of the privilege of visiting the Museum. It is disappointing that the number of students who went up for examination was not larger, and Dr. Dawson regrets this in his report.

MONTREAL, April 10th, 1883.

To the Honorary Secretary, Ladies' Educational Association.

Madam,—I have much pleasure in reporting that a large and apparently attentive class attended the course of ten lectures on the "Invertebrate Animals," which I had the honor of delivering under the auspices of the Association in the past Session. A considerable portion of the class also attended the Museum demonstrations held on separate days. I regret that only eleven candidates presented themselves in the examinations. Of these, four took very high marks, and were practically equal in the knowledge of the subject which they displayed, though the one placed first in the list had a slight advantage in fulness and accuracy of answering. Six others passed creditably, with marks fully entitling them to be placed in the second class.

On the whole, I regard the answering as very satisfactory, when I consider the range of the subject and the limited opportunities enjoyed by the students.

The details are given in a separate return.

I remain, dear Madam, Your obedient servant,

J. W. DAWSON.

On Jan. 15th was given the introductory lecture of the Rev. Professor Campbell's course on "Mexico, Peru, and the Spanish Main." The attendance was excellent throughout. Professor Campbell, with his usual kindness, had a most careful synopsis of the lectures printed, which much facilitated the work of the students. In the letter appended, Professor Campbell expresses great satisfaction in the work done by the few students who took the examination.

MONTREAL, April 7th, 1883.

To the Honorary Secretary,

Ladies' Educational Association.

Dear Madam,—In the course of ten lectures on the "History of Spanish Discovery and Conquest in America," which I had the honor to deliver during the past three months, an attempt was made to combine fulness and accuracy of historical detail with popular form. The attendance given and the interest manifested in the lectures were very gratifying; but I must confess to disappointment in the number of candidates presenting themselves for examination. Only twelve papers have been submitted to me, but these were of such high excellence that, according to the usual scale of academic marking, they must all be ranked in the first class; many of them betray not only a thorough mastery of the lectures, but extensive reading upon the subjects of which they treated.

When it is remembered that the great majority of students in our highest colleges are pass-men, content with a respectable third class, it is to be regretted that the junior students of the Ladies' Educational Association should have shrunk from an examination in which they might have obtained very creditable standing, and which might have proved a stepping-stone to higher things in

the future.

It is, however, most creditable to those students who did compete that, without exception, they should have obtained so enviable a position in this department of historical science.

I have the honor to remain, dear Madam, Your obedient servant,

JOHN CAMPBELL.

During the last session, there has been, in connection with, and under the auspices of the Association, a French class, which Professor Darey volunteered to conduct, in the hope of encouraging the study of French. This is a development of the work which has been much desired, and to arrange for which, a sub-committee was formed, consisting of Mrs. Clark Murray, the Hon. Mrs. Waud, and Mrs. S. E. Dawson. Professor Darey's letter is given:—

MONTREAL, April 16th, 1883.

Dear Madam,—In presenting a report, according to your wishes, on the French classes held this winter, under the auspices of the Ladies' Educational Association, I beg to say that my courses were somewhat tentative. I endeavoured to make my lessons, they could only be called lectures by courtesy, as practical as possible. The course before Christmas, consisted of studying a subject, such as a period of Canadian History, the City of Montreal, a journey to New York, &c., and then speaking in French exclusively on that subject. About 20 ladies joined those classes.

I am very happy to say that those entretiens were satisfactory to the ladies; so much so, that they were desirous to continue them after Christmas, which we did. We changed our rooms, much to our convenience and benefit. The tables in our new locale enabled us to give a great variety to our lessons. We had dictation, composition, reading, tasks to do at home, and as much French conversation as possible. During the whole of the time a great deal of enthusiasm was manifested. We did not attempt any lectures on French literature, for we did not think the class sufficiently prepared to do so. There was a great

variety of attainment (in French) in the class; some might take up with benefit lectures on French literature, but with others, it would hardly be advisable to do so.

During the two courses, I had a great deal of satisfaction and pleasure, and I think I may add, that not a few

received benefit by them.

I have the honor to be, Madam, Your obedient servant,

P. J. DAREY.

The Association is enabled to offer, through the liberality of the McGill University, prizes for competition, under the following conditions:

Regulations for the Disposal of the "Hannah Willard Lyman Memorial Fund."

1. The income to be divided into two equal prizes, to be given to the regular students, who, having passed creditably in the subjects of Examination before Christmas, shall take the highest marks in the First Class, in the Written Examinations, in one of the subjects at the end of the Session.

2. The Lecturers to be Examiners, and the answers of the successful candidates to be transmitted to the Corporation of the University, with the

reports of the Examiners.

3. The prizes to be given in books, properly inscribed.

In April, 1875, the Corporation of McGill University passed the further regulation:

"Any student having taken one of the Prizes may compete in a subsequent Session, but not in the same subject in which the previous Prize was taken; and in no case shall more than two Prizes be awarded to the same student."

Owing to the number of lectures having been reduced to forty, the following amendment was passed at a meeting of the Committee, May 3rd, 1877:-

"Candidates will be required to have passed creditably in all the subjects

of the Session."

As a further and gratifying proof of the recognition of the Association by the University, an extract is given from the McGill Calendar of 1879-80, under the "Regulations for the Higher Examination of Women":-

"In the Optional subjects, the examinations under the Ladies' Educational Association of Montreal, when held by Professors or Examiners of the University and certified by them as equivalent to subjects stated above, may

be accepted by Examiners in any subject or portion of a subject."

For the session 1882-3, the names of 41 students were entered; 30 came up for one or more examinations; 65 certificates were given—1st class, 42; 2nd class, 13; 3rd class, 10.

Eight competitors for the prizes passed all the examinations of the session. That for Zoology was awarded to Miss Georgina Hunter. The same lady came out equal with Miss Margaret Waud in the examination on History, and the prize for that subject was divided between them. Three ladies are this session entitled to certificates for a three years' consecutive course of the lectures of the Association, Mrs. Ella F. M. Williams, Miss Elizabeth L. Johnson and Miss Margaret Waud. All have taken a high standing in the three years' examinations.

It is considered advisable again to append the table of the subjects of the lectures from the establishment of the Association, as a brief outline of its work.

The financial position of the Association is decidedly improved, as well as the member list, yet it is much to be desired that a still larger number could be enrolled, and also that the conditions of membership were better understood, with regard to the transfer of tickets, &c. The attendance at the lectures is excellent, yet this year, as some arrears required to be defrayed, the expenses would not have been entirely covered, had not Professor Campbell assisted the funds of the Association by giving for its benefit a lecture, entitled "The Noble Order of St. Eve," for which the Association begs to offer its sincere thanks.

The receipts from members' list have been \$874.00; students' tickets, interest, &c., \$178.25; net proceeds of evening lecture, \$87.27; grant, \$50; total expenditure, \$1,177.30, leaving \$22.99 balance.

The work of the Committee in deciding on the programme for 1883-84 has been lessened by two of the courses of lectures being part of the three years' course

already planned. Owing to Dr. Dawson's proposed absence, "Botany" will be substituted for the course on "Vertebrate Animals." Professor Moyse will continue the series on English Literature by a course on "Shakespeare." Dr. Clark Murray has consented to take "Political Economy" as his subject, on a wide basis. As this has often been requested, it is hoped that the choice will give satisfaction. Another announcement the Committee has pleasure in making is that Dr. Roddick will repeat his most interesting and useful lectures on "Household Surgery and Nursing."

The small library consisting of books of reference and the text-books of the session has proved of advantage to students. Mrs. Hill, of Phillip's Square, has placed a room at their disposal, and has undertaken the care of the books. Particulars and subscription fees are specially

given in the programme.

For the session 1884-85, with the completion of those subjects already arranged for, viz., Essayists and Historians and Vertebrate Animals, the Committee begs to suggest lessons in Cookery, Rhetoric, Philology and some

branch of History.

We close the report of the Twelfth Session encouraged by the progress made, and even the very fact that the Association still holds its own and makes its way against many difficulties, is a subject for congratulation. Each year some new feature has to be chronicled. The formation of a settled course extending over three years, and the privilege granted of lectures at the Peter Redpath Museum, were last Session the marked events; this Session we have to report our first auxiliary class, and a hope is held out that arrangements may possibly be made for eventually establishing regular classes in connection with the Association, and in this manner adding to its stability and increasing its usefulness.

(SIGNED.)

JANE REDPATH,

President.

MARY A. N. MERCER,

Honorary Secretary.

The Montreal Ladies' Educational Association. FINANCIAL STATEMENT.—SESSION 1882-3.

		-4-		Oh.	
May 14thTo Payment for Lectures	:	600 000	May 14th.—By	May 14th.—By Balance from last year	\$ cts.
" Paid to Redpath Museum for ex-	m for ex-		"	Members' Tickets	ά
		100 00	79	Students' Tickets, etc. (including	
" Rent of Synod Hall, with attendance	ttendance			Fees for French Class) 178 25	178 2
(including hours for extra classes)		150 00	"	Interest to Dec. 31st, 1882, on Cash	
" Salary of Assistant Secretary		200 00		in Bank	67 6
" Stationery, Printing, Advertising,	vertising,		"	Proceeds of Extra Evening Lecture 102 00	102 00
Postage, etc. (including arrears).		128 55	83	Grant from Lyman Fund, for Exami-	
" Expenses of Evening Lecture		14 73		nation Expenses, etc., during	
" Balance—Cash in Molson's Bank		22 99		several Sessions	50 00
	\$1,2	\$1,216 27		\$1,	\$1,216 27

F. WOLFERSTAN, THOMAS.

Report of Certificates given during Sessions 1871-83.

SUBJECT.	Class I.	Class II.	Class III.	Class IV.	TOTAL.	Total during Session.
Mineralogy French Literature English Language Chemical and Physical Geology	12 7 4 6	8 2 2	7		27 7 8 12	54
Early English History. Astronomy and Magnetism. Early English Literature Logic Chemistry Physiology	4 7 5 14 4 3	5 1 5 7 5 1	6 1 3 2	6	21 9 10 24 11 4	79
English History Mental Philosophy—1st Course Physiology Mental Philosophy—2nd Course Chronological Geology	4 7 3 5 8	5 9 2 4 1	7 2 2 2 2 2 2	7	23 18 7 11 11	70
Light French Literature Hygiene English Literature	8 4 8 10	4 4 3 6	10 5 		22 13 11 16	62
Biology English Literature Architecture Applied Logic	8 3	$\begin{bmatrix} 6\\1\\1\\2 \end{bmatrix}$	2		$\begin{bmatrix} 12 \\ 9 \\ 4 \\ 10 \end{bmatrix}$	35
Botany Grecian History and Literature Grecian History and Literature Electricity and Magnetism	7 9	21 17 7	$\begin{array}{c c} 6\\ 7\\ 6\\ 3 \end{array}$	1	45 16 32 23	116
Roman History Sound Rhetoric Music	8 15	7 5 6 2	3 2 2 2	::::	14 16 23 7	60
Flysiology Cookery Ethies Rhetoric	1 15 21	6 8	6			83
Astronomy English Literature Surgery Physical Geography.	. 40	12		. ::::	40 47 23	14
Chemistry Domestic Medicine English Literature	18 55 15	9	iii	. :::	26 59 37	
Theory of Music	15 9 12	8 4	7 2 6		31 19 22	
(The External Senses English Literature History of Spanish Discovery, et Zoology—Invertebrate Animals	e. 10	2 .:	6		: 24 12 10	
Totals Total during Twelve Session	54					1 4 0

RESULT OF EXAMINATIONS.

Certificates obtained during the Session 1882-3.

THE ROMAN FIGURES SHOW THE RANK OF CERTIFICATES.

Student's Number.	The External Senses.	English Literature.	History.	Zoology.	Student's Number.	The External Senses.	English Literature.	History.	Zoology.
2	III				22		. 11	-	-
4	1	1	I	I	23		. III		
5		I			24	I	I		
6	I	I			25	III	1		
8	I	I	I	I	27	I	I	I	11
10	11	I	I	II	28		I		11
11	I	I	I	II	29	II	III	I	
12	III	1			30	II		I	II
13	I				31	I	I	ı	
14	II	III			32		I	1	II
15	I	I	I	I	33		II		
16	III	III			34	11	I		
17		III			35	11	1		•••••
18	I	I	I	II	37				I
20		III			39			I .	•••••

EXAMINATION PAPERS.

LADIES' EDUCATIONAL ASSOCIATION, MONTREAL.

SESSION 1882-3.

THE EXTERNAL SENSES.

MONDAY, DECEMBER 18TH, 1882.

Examiner,.....Dr. Boller,

- 1. Give the structure and varieties of nerve cells and nerve fibres.
- 2. Name the principal masses of nerve substance constituting the entire brain or Encephalon.
 - 3. Give the general arrangement of grey nerve substance in -
 - (a) The Spinal Cord.
 - (b) The Encephalon.
- 4. What is reflex action, and what are the essential factors in its production? Give examples.
 - 5. Which of the cranial nerves are nerves of special sense?
 - 6. Describe the several varieties of touch corpuscles.
 - 7. How are the nerves of taste supposed to terminate?
- 8. Give a brief sketch of the manuer in which odorous substances create impressions of smell in the nerve centres.
 - 9. What is meant by the accommodation of the eye, and how is it effected !
- 10. Give diagrams illustrating Emmetropia and the two most common errors of refraction.
 - 11. Which portion of the retina is the most sensitive, and why?
 - 12. State what you know of the theory of color perception.
- 13. Why do double images of external objects occur under certain conditions?
- 14. Name, in their order from within outwards, the parts concerned in conveying sound waves from the external air to the labyrinth.
 - 15. What is the arrangement of the fluids contained in the labyrinth?
 - 16. Give the supposed functions of the different portions of the labyrinth.

ENGLISH LITERATURE: THE ELIZABETHAN PERIOD.

THURSDAY, DECEMBER 21ST :- 2 TO 5 P.M.

- 1. Compare the Renaissance and the Reformation, and trace the origin, growth and decay of the former in Italy.
- 2. Give an account of Mother Hubberd's Tale and The Faerie Queene: criticise one of these works, and name Elizabethan Spenserians.
- 3. Give a list of Pre-Shakesperian dramatists; mention one play of each. What noteworthy features present themselves in Shakespeare as an author? Notice the importance of *Romeo and Juliet* and *Hamlet* in an analysis of Shakespeare's character.
- 4. What do you know of the nature and substance of Hooker's *Ecclesiastical Polity?*
- 5. Give an account of Puritanism as expressed in the writings of John Knox and in the Martin Marprelate Controversy.
- 6. Discuss the causes which produced Stephen Gosson's School of Abuse; notice a few features of that book, and mention its literary result.
 - 7. Discuss the history and explain the mechanism of the Sonnet.

CHAS. E. MOYSE, Lecturer.

HISTORY OF SPANISH DISCOVERY AND CONQUEST IN AMERICA.

MONDAY, APRIL 2ND, 1883.

Examiner,.....John Campbell, M.A.

- 1. Sketch the career of Christopher Columbus.
- 2. Give an account of Spanish adventure in Florida.
- 3. Describe the expedition of Balboa.
- 4. State the principal incidents in the conquest of Mexico.
- 5. Give an account of the first voyage round the world.
- Name and characterize the members of the Pizarro family, and give an outline of their history.
- 7. What are the most important points in the early history of New Gran-ada?
 - 8. Trace the course of De Soto in his famous expedition.
 - 9. Write a short life of the Apostle of the Indians.
- 10. Who was the author of La Araucana? What is its subject? Name two of its heroes, and mention their chief exploits.

INVERTEBRATE ANIMALS.

WEDNESDAY, APRIL 4TH, 1883.

Examiner,..... J. W. Dawson, LL.D.

Time, 3 Hours.

- Describe the structures of a typical Rhizopod, and state the differences of the skeleton in Rhizopoda and Porifera.
- 2. In the class Hydrozoa describe two animals representing the two principal orders.
- 3. Describe or figure the animals which produce Madrepore Corals, Sea Fans and the Red Coral of commerce.
- 4. Describe the tube-feet and jaws of an Echinus, and the arms of a Star-fish and Crinoid.
- 5. Describe the anatomy of Ostrea or Mytilus, and the structure of shell and pearl.
- 6. State the characters of the *Gastropoda*, and the differences between Prosobranchiates, Pulmonates and Pteropods.
- State the special characters of Cephalopoda, and describe the shell of a Nautilus and the arms of a Loligo.
- 8. What is the highest sub-class of the Crustacea, and how is it sub-divided? Describe the oral and sensory organs of any common species.
 - 9. State the characters of the Annelida, and describe any typical example.
- 10. Describe the external parts of a Hexapod Insect, and the stages of its metamorphosis.
 - 11. What structures are indicated by the following terms :-

Cilia, Corallum, Pedicellaria, Lingual Ribbon, Tentacle, Tracheae,

and in what animals are these structures found?

12. State what you know of the classification, structures and habits of the animals exhibited.

Note: The examiner would wish the students to answer, as clearly and correctly as possible, questions 1 to 10 and to devote such time as may remain to questions 11 and 12.



Padies' Pducational Association of Montreal.

PATRONESS:

HER ROYAL HIGHNESS THE PRINCESS LOUISE.

LECTURE ROOM, SYNOD HALL.

THIRTEENTH SESSION, 1883-84.

In preparing the Programme of Lectures for the Session 1883-4, the President and Committee have endeavoured to meet the expressed wishes of many members of the Association, and are confident that the arrangements will prove satisfactory.

Of the subjects forming the second of a three years' Course of study, in English Literature the course on "Shakespeare" will follow with advantage the more general subject of the Elizabethan Literature taken up last year while Principal Dawson's probable absence from Montreal having necessitated a slight change in the proposed order of lectures, as given in the Prospectus of last year, "Botany" will be studied this year, and the Vertebrate Animals postponed to another session. Dr. Clark Murray will lecture on "Political Economy," and the announcement of the repetition, by general request, of the "Household Surgery and Nursing," by Dr. Roddick, will, the Committee doubt not, be received with pleasure.

While the Committee desire to continue the scale of fees prepared most carefully a few years since, they would urge upon all the members and students to adhere to the published regulations, and to refrain from transferring their tickets, or otherwise preventing the issue of a sufficient number of tickets to secure the Committee an adequate revenue to meet the expenses incurred.

The INAUGURAL LECTURE of the Session, free to Ladies and Gentlemen, will be delivered in the Synod Hall on Thursday, the 27th September, 1883, at 4 P.M.

A Course of Ten Lectures on "The Elements of Structural and Systematic Botany."

By Professor D. P. Penhallow, B. Sc. , Lecturer in Botany, McGill College.

The Introductory Lecture will be delivered in the PETER REDPATH MUSEUM on Monday, Oct. 1st, at 4 P.M., and the Class will meet every Monday at the same hour.

SYNOPSIS OF THE COURSE:

- I. The Vegetable Cell.
- 2. Modifications of Cells.
- 3. The Root and Stem.
- 4. The Leaf.
- 5. The Flower.

6. The Fruit and Seed.

7. Flowerless Plants.

8 Classification of Plants.

9, 10. How to Collect and Study Plants.

Extra hours as arranged for microscopic Examination of Structure. Text-Book.—Gray's First Lessons in Botany; or, if a more complete book of reference

is desired, Gray's Structural and Systematic Botanv. A Course of Ten Lectures on "Political Economy."

By Professor J. Clark Murray, LL.D.

The Introductory Lecture will be delivered on Thursday, Oct. 4th, at 4 P.M., and the Class will meet every Thursday at the same hour.

OUTLINE OF THE COURSE:

Introduction .- On the definition of Political Economy as the Science of the Wealth of Nations, and its division into three parts.

Part First .- Nature of Wealth. Value.

Part Second .- Production of Wealth.

- (A) Conditions of Production:—(I.) Natural Materials; (II.) Human Labour. (1) Nature of Labour, productive and unproductive. (a) Direct Labour of Workmen: (b) Indirect Labour of Capital. (2) Division of Labour. (a) Simple and (b) Complex Co-operation.
- (B) Kinds of Production, commonly divided in Agriculture, Manufactures, and Com-

Part Third.-Distribution of Wealth, as affected by three causes.

- (A) Conditions of Production. (I.) Rent, i.e., the return to the proprietor of natural materials, or the landowner. Different systems of Tenancy. (II.) Interest, i.e., the return to capital. (III.) Wages, i.e., the return to labour.
- (B) Exchange. (I.) Simple Exchange, or Barter. (II.) Complex Exchange by Money. (1) Origin and Function of Money. (2) Material of Money. Gold and Silver. (3) Substitutes for Money, as bankbills, &c.
- (C) The Organization of Society, or Government, requiring a national fund, collected by taxation, direct or indirect.
- Text-Books: -Rogers' or Fawcett's Manual of Political Economy. Mill's Principles of Political Economy may also be consulted.

A Course of Ten Lectures on English Literatuse-"Shakespeare."

By Professor Chas. E. Moyse, B.A.

The Introductory Lecture will be delivered on Thursday, Jan. 10th, at 4 P.M., and the Class will meet every Thursday at the same hour.

OUTLINE OF THE COURSE:

The lectures on Shakespeare will illustrate the characteristics of the Pre-Shakespearian Drama, the early intellectual influences which Shakespeare felt, the methods of studying Shakespeare; all these will lead up to a critical analysis of Shakespeare's more important work.

BOOKS OF REFERENCE.—Abbott's Shakespearian Grammar; Dowden's Shakspere, his Mind and Art; Mrs. Jameson's Characteristics of Shakspeare's Women; A. W. Ward's English Dramatic Literature.

A Course of Ten Lectures on "Domestic Surgery and Nursing."

By Professor T. G. Roddick, M.D.

The Introductory Lecture will be delivered on Monday, Jan. 14th, at 4 P.M., and the Class will meet every Monday at the same hour.

OUTLINE OF THE COURSE:

This Course will be similar in many respects to the one already delivered during the Session 1879-80, and will treat of Surgical Anatomy, Bandaging, Injuries, Poisoning, How to Nurse the Sick, etc.

The Introductory Lecture of each Course is free to ladies.

The students who have attended each Course will be afforded an opportunity of submitting themselves for examination on the subjects of the Lectures, and to those who pass such examination satisfactorily certificates to that effect will be given.

A special certificate will be granted to ladies who have attended a three years' Course of the Lectures and passed all the examinations of the Association.

The "Hannah Willard Lyman Memorial Fund" will provide two equal prizes in books, properly inscribed, to the regular students who shall take the highest marks in the first class in the written examinations in one of the subjects at the end of the Session, under the following conditions:

- 1. Competitors will be required to have passed creditably in all the subjects of the Session.
 - 2. No Student can receive a prize more than once in any one subject.
 - 3. In no case shall more than two prizes be awarded to the same student.

LIBRARY.

The special text-books required for the work of the Session, as well as books of reference, are contained in the Library of the Association at Mrs. Hill's, Phillips' Square. To this any member or student has access by the annual payment of 50c for the Session or 25c for the half Session. The Library is open daily from 10 A.M. to 6 P.M., and the books can be taken home under certain regulations.

SCALE OF FEES.

Every subscriber for the whole Session is a Member of the Association, and has a right to vote in the election of Officers and Committee at the Annual Meeting.

A member subscribing \$8 is entitled to one ticket for the whole Session.

A member subscribing \$12 is entitled to two tickets for the whole Session (of which one may be a visitor's ticket).

One ticket for one Course of Ten Lectures, \$4.

Two tickets for one Course, or one ticket for two Courses, \$6.

A ticket for the whole Session may be exchanged for four tickets (each to admit to any single course) on the payment of three dollars additional.

Every ticket (with the exception of the Visitor's) shall bear the name of the lady who is admitted by it, and shall not be used by any other.

Every ticket (with the exception of the Visitor's) shall entitle the lady who is admitted by it to enter for Examination.

Ladies engaged in, or preparing for, the profession of Teaching, or in any way connected with the work of Education, may obtain a reduction of the above fees upon application to the Secretaries.

The Officers of the Association will be glad to give any information which may be desired by those who purpose entering the Classes.

Communications should be addressed to

MRS. MERCER, Hon. Secretary,
9 Prince of Wales Terrace;

Or to

MISS HELEN GAIRDNER, Assistant Secretary, 15 St. Edward Street,

Of whom Tickets may be had.