## REPORT

OF THE

#### MONTREAL

# Padies' Educational Association

NINTH SESSION-1879-80.

WITH PROSPECTUS FOR 1880-81.

Montreal:

PRINTED BY THE GAZETTE PRINTING COMPANY

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Miss Adelaidi Miss Cordner Mrs. S. E. Da Mrs. John Fr Miss Gordon. Mrs. E. K. Gi Mrs. Greenshi

Mrs. A. W. A

Mrs. Howard,

Mrs. F

Hon. Chas. De Principal Daw Ven. Archdea Hon. J. J. C.

Commun

#### LADIES' EDUCATIONAL ASSOCIATION.

#### Patroness:

#### HER ROYAL HIGHNESS THE PRINCESS LOUISE.

#### Vice-Patroness:

#### MRS. MOLSON.

President:

MRS. REDPATH.

Honorary Secretary: MRS. MERCER.

Vice-President:

MRS. DAWSON.

Honorary Treasurer: JOHN MOLSON, Esq.

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Mrs. A. W. ATWATER, Miss Adelaide Campbell,

Miss CORDNER, Mrs. S. E. Dawson,

MRS. JOHN FRARER, Miss Gordon.

Mrs. E. K. GREENE,

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Mrs. John McDougall. Mrs. HUGH McLENNAN,

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Miss SYMMERS, Mrs. Joseph Tiffin, Jr.,

Mrs. R. M. WATSON, HON. MRS. WAUD, MRS. WHEELER,

MRS. THOS. WORKMAN.

#### Executive Committee:

Mrs. FRASER, Mrs. GREENSHIELDS, Miss Lunn,

Mrs. Lewis,

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Ven. Archdeacon Leach, D.C.L., LL.D. Rev. Prof. Cornish, LL.D. Hon. J. J. C. Abbott, D.C.L., Q.C.

Miss REDPATH.

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 1879-80.

:0:

Mrs. Anderson,

" Arnton,

" A. W. Atwater,

" Bagg,

" Bancroft,

Miss Banks,

" M. E. Baylis,

" Benny,

" Bryson,

" Campbell,

Mrs. Carpenter,

" F. Cole,

Miss Cordner,

" C. Cordner,

" Dakers.

" Davidson,

Mrs. Dawson,

" S. E. Dawson,

" Jas. Day,

" Dobbin,

" Drummond,

Miss Eastty,

" Ewan,

Mrs. John Fraser,

Miss Frothingham,

" H. Gairdner,

Lady Galt,

Mrs. M. H. Gault,

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" Mackay Gordon,

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Mrs. Sterry Hunt,

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Mrs. Hutton,

" Alex. Johnson,

" Kemp,

" Kennedy,

Miss Laing,

Mrs. Lane,

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" M. Lawder,

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" Lewis,

" J. H. Liddell,

Miss Lunn,

" Lily Lyman,

Mrs. Mackay,

Miss Mackintosh,

Mrs. McPhie,

Miss McCance,

Mrs. M. McCulloch,

Miss McDonald,

Mrs. James McDougall,

" John McDougall,

Miss McKinnon,

Mrs. R. W. McLachlan,

" Hugh McLennan,

" Major,

Miss E. Maltby,

Mrs. Mercer,

" Mercer, 2nd sub.,

" Mercer, 3rd "

Miss Mercer,

Mrs. Molson,

" J. H. Molson,

Mrs. J. H. Molson, 2nd sub

Miss Morgan,

" Moseley,

Mrs. Alex. Ogilvie,

" C. F. Papineau,

Miss E. A. Ramsay,

Mrs. Reddy,

" Redpath,

" Peter Redpath,

" F. Redpath,

Miss Redpath,

" E. Redpath,

Mrs. Archer Robertson,

Miss Ross.

Mrs. M. H. Sanborn,

" David Shaw,

" Skelton,

" Leslie Skelton,

" Oliver Smith,

Miss Smith,

" Stirling,

Mrs. Strachan,

" W. W. Stuart,

Miss Symmers,

" Symmers, 2nd sub..

Mrs. T. M. Taylor,

Miss Taylor,

" Thornton,

Mrs. Jos. Tiffin, Jr., " Robert M. Watson,

Miss Watson,

Hon. Mrs. Waud,

Mrs. Wheeler,

" R. White,

" Wilkes,

" Thos. Workman.

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#### · REPORT

OF THE

### Montreal Ladies' Educational Association.

NINTH SESSION, 1879-80.

The Report of the Ninth Session, 1879-80, which is now submitted to the Montreal Ladies' Educational Association, is most encouraging, and gives evidence of renewed vigour in the Subscribers' list and the unusual number of students.

The Session opened on October 2nd with an Inaugural Address by Principal Grant, of Kingston, to whom the Ladies of the Association have much pleasure in tendering their thanks.

On Monday, October 6th, Dr. Johnson gave the Introductory Lecture of the Course on "Astronomy." His Report, which is appended, is so full of detail that no further comment is needed. Dr. Johnson being able, from his own experience, to speak of the gradual growth of the Association, makes his statement doubly valuable. At the lectures the number of auditors was unusually large for a scientific course.

To the Honorary Secretary of the Ladies' Educational Association.

MADAM,—I have the honour to submit herewith my report on the course of ten lectures on "Astronomy," delivered between October 6th and December 8th of this

vear

The attendance on the lectures was very good, but how many of those present were technically "students" of the special subject, I have no means of determining. I have reason to believe that there were, as usual, many "auditors" who studied, as well as "students," who did not present themselves for examination. Between these two classes there is no real distinction. Both are practically students as well as those recognized students who tested their progress at the examination on December 15th.

Of these latter the number was unexpectedly large; the largest, in fact, that I have ever had on such an

occasion, namely, forty-one (41).

The number was the more remarkable inasmuch as the subject was one of the most difficult of those with which I have had to deal. The difficulty was perhaps concealed by the extent to which memory might have been called into action; but I dwelt chiefly on those parts which exercised the reasoning powers.

Thirty-four candidates sent in papers, and the general answering was eminently satisfactory. Seven were placed in the First Class; seventeen in the Second; and eight in the Third; the standards being the same as usual.

The contrast between this result and that obtained seven years ago, when I lectured on the same subject, is very striking, as showing the healthy growth of the educational spirit in the Association.

In making my report then, I expressed my regret, first at the smallness of the number of candidates at the examination, viz., 9 out of 37 who had registered themselves as students; and secondly, at the very marked disproportion between the First Class and the other two classes, amounting, in fact, almost to a total absence of the Secon versity, u ought gen special di

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Poets of students shewn lectures. ing nece of such even to Moyse's the Second and Third Classes; classes which, in a University, usually include the bulk of the students, as they ought generally to do, if the First Class is to indicate any

special distinction.

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ed vo of On the present occasion I have no such complaints to make. The number of candidates has been very large, and all the classes are so well filled as to justify us, I think, in inferring that there has been a widely spread desire for a knowledge of the subject, even though circumstances may have prevented that knowledge from being as extensive as the candidates may have wished. From any point of view, the contrast is hopeful.

The answering of the Second and Third Classes, as well as that of the First, has been, as I have already said,

eminently satisfactory.

A separate report contains the details.

I have the honour to be, Madam,

Your obedient servant,

ALEXANDER JOHNSON.

The Association has again to thank the McGill University for the use of the valuable apparatus used in illustrating the Lectures.

On Thursday, October 9th, Professor Moyse commenced his Course on English Literature:—period, "The Great Poets of the Nineteenth Century." A large number of students entered their names and steady interest was shewn by a crowded hall during the whole course of lectures. Many of the auditors took notes, and the reading necessary, together with the comments and criticism of such an able lecturer, must prove of great benefit, even to those who were not actual students. Professor Moyse's Report is given.

MONTREAL, March 26th, 1880.

To the Honorary Secretary of the Ladies' Educational'Association, Montreal.

Madam,—I beg to present to you a brief report of the examination on the course of lectures I had the honour of delivering in the earlier part of the present session.

The subject considered was "The Great Poets of the Nineteenth Century." The main points of the ten lectures seem to have been clearly apprehended by the majority of the students. Some of the papers, indeed, bear evidence of careful and of thoughtful reading, while not a few shew ready acquaintance with the matter brought under the notice of their writers. A reference to the marks earned by the candidates, individually, will testify to the excellence of the answers submitted, and I may add that it has rarely been my lot to examine work of such high average merit; for, of forty ladies, twenty-three are placed in the First Class, thirteen in the Second, and four in the Third.

Of the faults committed—and they are comparatively rare—the most conspicuous is the attempt to repeat, without due thought, the very words of the lecturer; this has produced, in some instances, a grotesque confusion of ideas.

A large and regular attendance of members leads me to congratulate the Association on the success it has already attained, and to hope that the future will bring an extended sphere of usefulness.

> I have the honour to be, Madam, Your obedient servant,

> > CHAS. E. MOYSE.

The second part of the session opened on January 12th with Dr. Roddick's lectures on "Domestic Surgery and Nursing." This was a thoroughly practical course and most successful in every respect. The clearness and minute detail given of the means of meeting many domestic emergencies, could not fail to impart much valuable

knowledge No lecture such a larg shews his

To the Hon. Se Ladies' Ed

MADAM, lectures o have had t during the

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knowledge and prove a benefit to the whole community. No lectures of the Association have yet been given before such a large and interested audience. Dr. Roddick's letter shews his gratification at the result of the examinations.

MONTREAL, April 10th, 1880.

To the Hon. Sec.

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sle Ladies' Educational Association.

MADAM,—I beg to submit a report on the course of lectures on "Domestic Surgery and Nursing," which I have had the honour of delivering before your Association during the past three months.

The attendance of members and students appeared to be unusually large, and the interest manifested in the subject

was very marked.

Forty-seven students presented themselves for examination, and of this number no less than *forty* appear in the First Class, taking three-fourths of the maximum number of marks as entitling to this rank. Some half dozen of the papers were so nearly perfect that I was obliged to submit them to the most minute analysis in order to allot them their exact places. As an illustration of the excellence of the answering, I might state that no less than seventeen students obtained over 90 per cent. of the maximum marks.

The results altogether have been most gratifying.

I have the honour to be, Madam,

Very respectfully yours,

T. G. RODDICK.

On January 14th, Dr. Geo. M. Dawson commenced his very interesting and able lectures on "Physical Geography." As in the case of the other courses of lectures the auditors far outnumbered the students—the number of the latter who went up for examination would in an ordinary year have been above the average. Dr. Dawson, in his report appended, expresses his satisfaction at the result.

MONTREAL, April 17th, 1880.

To the Honorary Secretary of the Ladies' Educational Association.

Madam,—In presenting my report on the course of ten lectures on "Physical Geography" lately completed, I have much pleasure in stating that the number of students in attendance and degree of interest manifested throughout were such as to be highly gratifying to the lecturer.

Of twenty-three students who presented themselves for examination at the close of the course, nine obtained a sufficient number of marks to entitle them to places in the First Class, twelve ranked in the Second, and two in the Third Class. The average standard of merit in the papers was high, and several of the students gave evidence in their answers that they had extended their reading beyond the limits of the text-books indicated in the synopsis.

I have the honour to be, Madam,
Yours very respectfully,
GEORGE M. DAWSON.

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

#### Recommendation 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 no

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" Candidate of the Session

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"In the Opt Association of University and be accepted by

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the larges these 77 Class, 79; all. Twe the Prize done so, Eva Daw awarded; gery and this year years' Co 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."

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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."

The thanks of the Association are given to Dr. Johnson for his kind and liberal gift of \$200, the Lecture fee for the Course on "Astronomy." This he expressed his intention of presenting to the Association when requested to give the Lectures, at the same time speaking most warmly of his interest in the work done, conviction of its usefulness, and regret that the pressure of the times had been so severely felt by the Society.

For the Session 1879-80, 108 names have been enrolled, the largest number of students yet on our record. Of these 77 obtained one or more certificates, viz.:—First Class, 79; Second Class, 49; and Third Class, 14; 142 in all. Twelve ladies fulfilled the conditions necessary for the Prize competition, the largest number who have yet done so, seven being previously the highest. To Miss Eva Dawson the "Physical Geography" Prize was awarded; to Miss Agnes Hunter, that of "Domestic Surgery and Nursing." It is to be regretted that there are this year no ladies entitled to the certificate for a three years' Consecutive Course of the Association Lectures,

several ladies who have attended for years and passed most successful examinations being ineligible from having missed one or more examinations.

With the view of keeping before our members the work of the Association, the Table prepared last year giving the subjects of the Lectures from its establishment has been again added to the Report. As a proof of its steady growth, we can quote the number of certificates granted this year, 142, compared with the 54 of the first year, and with the 557, the whole number granted during the first eight years.

The Committee have much gratification in stating that the financial difficulties which threatened the well-being and even life of the Association, seem for the time happily tided over, although it must always be liable to reverses while without endowment and depending solely on the members' list. This year this is much increased, the receipts amounting to \$1,106; students' tickets, interest, &c., \$292.02; expenditure, \$1,077.05; balance, \$344.96. With this balance the Association is in a position to refund the sum of \$125 borrowed from what was devoted to the expense of experimental lectures, a fund which we owe to Dr. Dawson's liberality, and commence the new Session with a small reserve. There is, however, as yet, no prospect of increasing the lectures to the original number, or even to sixty. The Committee regret being still obliged to arrange for the shorter courses, as they are fully sensible of the advantages educationally of the twenty lecture course. They can only endeavour by connecting the subjects to obviate the difficulty. It is, perhaps, well to call the attention of subscribers again this year to the modified scale of fees, given fully in the programme.

It is hoped that the programme for next session will

prove as att before Chris Literature of form an ad English Lit Dr. Craik h other Physi will supple this year by Personal H ant subjec considered the program to adopt o Committee on French future. A ence of th of subjects been decid auspices, p meet with mittee, and of pupils Association

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prove as attractive as the last. Professor Campbell will, before Christmas, give a course on the "Early History and Literature of the Northern European Races," which will form an admirable introduction to the "Four Periods of English Literature," to be given later by Professor Moyse. Dr. Craik has kindly consented to give "Chemistry and other Physical Forces in every day life," and Dr. Roddick will supplement and conclude his valuable lectures of this year by one on "Household Medicine, Nursing and Personal Hygiene." He will treat specially the important subject of contagion and infection. This may be considered the practical course of the session. In framing the programme the Executive Committee have been able to adopt only a part of the suggestions of the General Committee of last year. The Art course, as well as those on French and German Literature, must be left to the future. As a step in the direction of extending the influence of the Association and embracing a greater variety of subjects than is possible on the present plan, it has been decided that special classes can be held under its auspices, provided that the lecturer and subjects chosen meet with the full approval of the President and Committee, and also that for such classes a sufficient number of pupils are secured to cover expenses and relieve the Association of any pecuniary liability.

For the Session 1881-82, the Committee desire to keep in view an Illustrative Art Course, Early History of the American Continent, Logic and some branch of Physical Science.

It is most encouraging to close the report of a year which, from its success, gives us fresh hope for the future. Year after year we find that the members take a greater interest in the work carried on, and there are now but few of our subscribers who are not present at some of the

lectures of the Session. We may therefore trust that, with an increased list of members, an unusual number of students and a large and interested audience, the Association, carried on under many difficulties and disadvantages, may overcome them all and long continue its career of usefulness.

(Signed) JANE REDPATH,

President,

MARY A. N. MERCER,

Honorary Secretary.

The Montreal Ladies' Educational Association. FINANCIAL STATEMENT.—SESSION 1879-80.

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	DR.		1880.	CR.	e cts.
nTo Pa	May 13th.—To Payment for Lectures	\$ cts.	May 13th.—By	cts. 600 00 May 13th.—By Balance from last year	63
" Re	" Rent of Synod Hall, with attendance	150 00		" Members' Tickets	1,106 00
" Sta	Stationery, Printing, Advertising		"	" Students' Tickets and Exchanges	275 00
	and Postage	97 50		" Interest to Dec. 31st, 1879, on Cash	
" Sa	" Salary of Assistant Secretary	200 00		in Bank	17 02
" T	" Twenty Examination-boards	15 00			\
" Ir	" Incidental Expenses	14 55			
" Be	" Repaid Loan from Trust Fund	125 00			•
" Ba	" Balance-Cash in Molsons Bank	219 96	\		
		\$1,422 01			\$1,422 01

The vouchers for disbursements have been examined and found correct.

F. WOLFERSTAN THOMAS.

# Report of Certificates given during Sessions 1871-80.

SUBJECT.	CLASS I	CLASS II	CLASS III	CLASS IV	TOTAL
Mineralogy. French Literature English Language. Chemical and Physical Geology	12 7 4 6	$\frac{8}{2}$	7 2 4 Total duris	ng Session	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	$ \frac{\frac{6}{1}}{\frac{3}{2}} $ Total during	6 - - - ng Session	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 Potal durin	7 - - eg Session	23 18 7 11 11 —70
Light   French Literature   Hygiene   English Literature	8 4 8 10	4 4 3 6	10 5 _ Cotal durin	g Session	22 13 11 16 -62
Biology	4 8 3 7	$\begin{bmatrix} 6 \\ 1 \\ 1 \\ 2 \end{bmatrix}$	2 - Total durin	g Session	12 9 4 10 —35
Botany	18 7 9 13	21 2 17 7	6 7 6 3	Session	45 16 32 23 —116
Roman History. Sound	3 8 15 3	7 5 6 2	4 3 2 2 otal during	Session	14 16 23 7 —60
Physiology	15 21 10 11	$\begin{bmatrix} \frac{4}{6} \\ 8 \end{bmatrix}$	=   otal during	=	19 21 16 25 —81
Astronomy. English Literature Surgery Physical Geography.	7 23 40 9	17 13 7 12	$\frac{8}{4}$	=	32 40 47 23 —142
Totals	357	218	111   ring nine 8	12	699

RESULT OF EXAMINATIONS. Certificates obtained during the Session 1879-80.

THE ROMAN FIGURES SHOW THE RANK OF CERTIFICATES.

TOTAL.

 $\begin{array}{c} 27 \\ 7 \\ 8 \\ 12 \\ -54 \end{array}$ 

 $\begin{array}{c}
21 \\
9 \\
10 \\
24 \\
11 \\
4 \\
-79
\end{array}$ 

# RESULT OF EXAMINATIONS.

Certificates obtained during the Session 1879-80.

English Literature.	:	:	Ш	П	I	Н	:	:	:::::	:	:	:	:	:	:	:	:	:		:	:	:	:	:	:
Astronomy	III	П		: : : :			:::::::::::::::::::::::::::::::::::::::	:::::::::::::::::::::::::::::::::::::::		:			: : : : :	:	:		:		::::::		:	:	:	:	:
Student's No.	92	22	28	64	80	81	82	83	84	85	98	87	68	91	92	93	94	97	100	101	102	104	105	106	108
Physical Geography.	I	:::	:			III			III			:::::::::::::::::::::::::::::::::::::::		I	: : : : :	:	I	: : : : :	I	II	I			П	
Domestic Surgery and Sursing.		:	:	:	II	:	:	:	I		:	:	I	I	:	:	I	I	:	:	I	11	:::::	1	I
English Literature.		1	III	III		11		Ι	II	:	I	I	II	II	Ι	II	I	1		:	I	I	Ι	I	П
•vmonortsA		I	III	:	:	:	I	:	:	II	:	:	:	II	П	:	II		I	III	I	:	II	п	III
Student's No.	38	42	43	44	47	20	53	54	56	57	69	09	61	62	63	64	65	99	67	89	69	02	7.1	72	74
Physical Geography.				I	:	:	:	:	11	I	П	:	:	II	II	11	11	111	11	:	:	I	:	:	:
Domestie Surgery and Mursing.	III			I	I	I		I	1	I	I	I	I	I		I	:	į			I	I	:	Г	
English Literature.		_		-		П	11	11	-	I				I		I		П	I	I		I	11		II
	1				1																				

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Physical Geography.

Domestic Surgery and Mursing.

Astronomy.

Student's No.

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#### LADIES' EDUCATIONAL ASSOCIATION, MONTREAL.

#### ASTRONOMY.

MONDAY, DECEMBER 15TH :- 2 TO 5 P.M.

Examiner, ..... ALEXANDER JOHNSON, LL.D.

1. State the objections to the arguments used to show that the Earth is a thin solid crust enclosing a fluid molten mass. State also the principle of an investigation from which Sir Wm. Thomson has deduced that the earth, as a whole, is more rigid than steel. How are volcanoes accounted for, if the earth solidified first at the centre?

2. In what manner did Foucault show the rotation of the Earth by his pendulum experiment? Explain the principle of it generally.

State and explain in what direction, referred to the cardinal points of the compass, the plane of the pendulum will appear to rotate here at Montreal?

- 3. State the Law of Universal Gravitation.
- a. Assuming the mass of the Sun to be 315,000 times the mass of the Earth, the radius of the Sun to be 425,000 miles, what would be the weight of a man on the surface of the Sun, whose weight on the Earth (radius=4000 miles) is 150 lbs.
- 4. Describe the principle of the method by which the distance of the Moon is found.
- 5. Define sidereal day, solar day, and mean solar day. How is it ascertained whether the common clock is right or wrong when it points to 12 o'clock (mid-day).
- 6. Describe an illustration or draw a diagram to show in a general manner the nature of the Moon's path round the Sun while she is at the same time revolving round the Earth. Show that it intersects the Earth's orbit twice in a month; and explain also how it is that the Moon always presents the same face to the Earth.
- 7. What is the cause of an eclipse of the Sun? At what time of the month only can it occur? Why have we not an eclipse of the Sun every month.
- 8. Describe a mode in which the number of whole days in the year may have been first ascertained. How soon, probably, would the extra quarter of a day be noted, and why? Give an account of the origin of leap year. Why is it also called bissextile?
- 9. State the names of the principal planets in the order of their distances from the sun, giving roughly the periodic times of the first five.
- 10. Name, in their order from west to east, the planets at present visible in the evening, stating in what constellations they are. Name the most remarkable star and group or groups of stars in any one of these constellations. Why do the planets set earlier now than in October last?

#### LADIE

#### LADIES' EDUCATIONAL ASSOCIATION, MONTREAL.

CHRISTMAS EXAMINATIONS, SESSION 1879-80.

ENGLISH LITERATURE.—The great Poets of the Nineteenth Century.

THURSDAY, DECEMBER 18TH: -2 P.M. TO 5 P.M.

- 1. Justify one of the following statements: (a) The French Revolution was inevitable, and its nature was two-fold; (b) The influence of the French Revolution upon contemporary English thought was wide-spread.
- 2. "His (Wordsworth's) poetry is the reality, his philosophy the illusion."

   Matthew Arnold. Comment on this assertion.
- 3. What gave rise to the idea of writing *The Ancient Mariner?* To what sources may the essentials of the poem be traced? Make a few remarks concerning its "unreality," its language, and its verse-structure.
- 4. What are the features of Southey's poetry as displayed in his longer poems? Mention satirists of Southey, and make a note or two on the subjects of the poems they satirized and on the style of their satires.
- 5. What important characteristic of Scott's poetry has been alluded to by Mr. Ruskin? What is the true source of that characteristic? Corroborate your answer. Briefly state the *direct* literary influences felt by Scott during his poetical career.
- 6. Mention the longer poems of Campbell, and criticise one of them. Give proofs of the intensity of Campbell's sympathy for Poland.
- 7. In what literary relation do Scott and Byron stand? Name writers who were consistently regarded by Byron as literary models, and state Byron's opinions concerning their merits. "He (Byron) led the genius of Britain on a pilgrimage throughout all Europe."—Mazzini. Show that the substantiation of this statement displays the true estimate of Byron's place in our literature.
- 8. In what particulars do Byron and Shelley, as poets, present strong contrasts? Prove the *indirect* influence of the French Revolution upon Shelley, and touch upon the nature of Shelley's poetical power.
- 9. Lycidas, Adonais, In Memoriam. Mention similarities, (a) between all these poems, (b) between Lycidas and Adonais, (c) between Adonais and In Memoriam. What important matters do the Preface and the first section of In Memoriam bring before the reader? Trace the inner thought of In Memoriam, noticing, in especial, the cardinal points of its development.

CHAS. E. MOYSE, Examiner.

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#### LADIES' EDUCATIONAL ASSOCIATION.

SESSION, 1879-80.

#### DOMESTIC SURGERY AND NURSING.

MONDAY, APRIL 5TH, 1880 :- 2 P.M. Examiner, .....T. G. Roddick, M.D. 1. Name the bones of the head and face, and state what you would do (in the absence of surgical aid) in a case of severe injury to the skull? (10)2. What would make you suspect that a person had broken ribs; and how would you treat the accident awaiting the arrival of the surgeon? 3. Describe the four-tailed and many-tailed bandages, and mention briefly under what circumstances they may be used. 4. A person sustains a deep wound of the forearm :- how do you know that an artery is wounded, and how would you proceed to arrest the bleed ing, and dress the wound in the absence of the surgeon? (15)5. What are the ordinary measures recommended in Homoptysis and Epistaxis? 6. Describe fully the preparation and application of a linseed meal poultice. 7. What precautions are necessary for the prevention of bed-sores? 8. What would you do in the case of a severe burn or scald? 9. In infantile convulsions what can be done while the doctor is com ng? 10. How are the drowned restored? 11. What may be done in all cases of poisoning? (12)12. Should the person sleep profoundly, what poison has probably been taken and what would you do?

13. Mention the points to be regarded in the administration of food to

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14. How are Beef Tea, Essence of Beef and Linseed Tea prepared?

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#### LADIES' EDUCATIONAL ASSOCIATION.

SESSION, 1879-80.

#### EXAMINATION IN PHYSICAL GEOGRAPHY.

THURSDAY, APRIL 8TH :- 2 TO 5 P.M.

Examiner, ......George M. Dawson, D.S.

- 1. What circumstances tend to produce a heavy rainfall in a given district, and to what is the existence of rainless and desert regions due.
  - 2. What is meant by the dew point? Explain the formation of dew.
- Explain the essential phenomena of the trade winds, and state by what means a knowledge of these and the upper return currents has been obtained.
- 4. What is meant by cyclonic and anticyclonic types of disturbance in the atmosphere, and how is each characterized?
- 5. In what main points are the physical features of the sea bed distinguished from those of the land surfaces, and for what reasons?
- 6. Sketch the course of the Gulf Stream, and illustrate its effect on climate.
- 7. Enumerate some of the more important oceanic currents, noting which are characterized as cold and which as warm.
- 8. How are relative changes of level between land and sea indicated by the facts observed in connection with coral reefs and islands?
- 9. Explain the manner in which the approximate position of the origin of an earthquake wave may be ascertained.
- 10. If a thermometer be placed successively at different depths in the earth, in temperate latitudes, what effects in temperature will be observed, and to what are these due?
- 11. Enumerate the principal agents at work in wasting away the present land surfaces, briefly indicating the mode of action of each.
- 12. Give an instance in which the present distribution of forms of life serves to indicate past physical changes.

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# Judies' Fducational Association of Montreal.

#### PATRONESS:

HER ROYAL HIGHNESS THE PRINCESS LOUISE.

LECTURE ROOM, SYNOD HALL.

TENTH SESSION, 1880-81.

In forming the Programme of Lectures for the Session 1880-81, the President and Committee have endeavoured, in their choice of subjects, to carry on the work of past Sessions. Before Christmas, Dr. Craik will give "Chemistry and other Physical Forces in every day life," and Professor Campbell "The Early History and Literature of Northern European Races," to be followed after Christmas by Professor Moyse on "The Four Periods of English Literature," and by Dr. Roddick on "Domestic Medicine, Nursing and Personal Hygiene," in continuation of his valuable practical course on "Domestic Surgery and Nursing" which proved so interesting.

The increase of subscribers and students during the past session has been most encouraging, and it is hoped that the subjects of the new course will prove equally attractive.

The scale of fees remains unchanged.

## A Course of Ten Lectures on "Early History and Literature [in Europe]."

By Rev. Professor Campbell, M.A.

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

#### OUTLINE OF THE COURSE:

- I. Peopling of Europe—Turanian occupants, their Languages, Culture and Literature.
- II. Legendary History of the Welsh-their Literature, &c.
- III. Legendary History of the Irish and Scottish Celts, Irish Literature, Gaelic Litera-
- IV. Early History and Literature of the Scandinavians. Early German Literature. Romances of the Middle Ages.

There is no special Text-book, and books of reference being rare and expensive, the names of a number are given, some of which may be procurable. Much information can also be obtained in a good Encyclopædia.

Webster's Basque Logends; Giles' Six Old English Chronicles; Tennyson's Idylls; Arnold's Celtic Literature; Keating's General History of Ireland; The Chronicle of Scotland, or Buchanan's History; Mallet's Northern Antiquities; Carlyle's Essay on the Niebelungen Lied; Longfellow's Poets and Poetry of Europe; Cox and Jones' Popular Romances of the Middle Ages; Baring Gould's Curious Myths of the Middle Ages.

#### A Course of Ten Lectures on "Chemistry and other Physical Forces in every day life.'

By Professor Craik, M.D.

The Introductory Lecture will be given on Thursday, October 7th, at 4 P. M., and the class will meet every Thursday at the same hour.

#### SYNOPSIS OF THE COURSE:

- I. Matter and Force.—Physical and chemical properties of Matter. Elasticity. Cohesion. Adhesion Crystallization. Light. Heat, Chemical Attraction.
- II. Conservation of Energy and Correlation of Forces.
- III. Chemistry of the Atmosphere.
- " Water. IV.
- " Organic Substances. 66 V.
- " Plants and Animals.

Experiments, diagrams, &c., will be made use of to illustrate the Lectures, and the subjects will be presented in such a manner as to make the process of note-taking as easy as possible.

#### A Course of Ten Lectures on "Domestic Medicine, Nursing, and Personal Hygiene."

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

The Introductory Lecture will be delivered on Monday, January 10th, at 4 P. M., and the class will meet every Monday at the same hour.

#### OUTLINE OF THE COURSE:-

This will be a direct continuation of the course delivered last session, and will be made to include such subjects as Contagion and Infection, Disinfectants, the care of the person, Soc.

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A Course of Ten Lectures on "The Four Periods of English Literature."

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

The Introductory Lecture will be delivered on Thursday, January 13th, at 4 P. M., and the class will meet every Thursday at the same hour.

OUTLINE OF THE COURSE:

(a.) The Dawn (before Chaucer).

- (b.) The period of Italian influence.—Chaucer to Dryden.
  - 1. The influence of great writers on great writers.
- 2. The influence of generally polite society in Italy on generally polite society in England, or Euphuism.
  - (c.) The period of French influence.—Dryden to DeFoe.
    - I. The influence of words.
    - 2. The influence of style.
  - (d.) The period of Popular influence.—DeFoe to present day.
    - 1. From DeFoe to the French Revolution.
    - 2. From the French Revolution to the present day.

Text-book.—None especially recommended. Benefit will be derived from knowledge of: Henry Morley's "English Writers," Vol. I., Cap I.; Hallam's Introduction to the Literature of Europe, part I, caps I-V, inclusive, cap VIII; part II, caps V-VIII, inclusive; part III, caps II and VII; part IV, caps VI, VII, VIII; Stopford Brooke's "Theology in the English Poets."

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:

- 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.

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The Inaugural Lecture of the Session, free to Ladies and Gentlemen will be delivered on Thursday, the 30th September, 1880, at 4 p.m.

#### 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.

(One of these may be a Visitor's Ticket.)

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.