

The Royal Astronomical Society of Canada

TORONTO MEETINGS, 1916

The last Regular Meeting of this Session will be for Observation with Telescopes on

UNIVERSITY CAMPUS,

**in front of the Main Building, near Convocation Hall,
on Tuesday Evening next, (June 6th, 1916), beginning at 8.30 o'clock.**

A number of Telescopes will be provided.

The large telescope in the tower of the Meteorological Observatory, by courtesy of the Director, will also be available, in charge of Mr. Blake.

Objects to be viewed :

The Moon Venus Mars

CONSTELLATIONS—Leo, Virgo, Scorpio, Bootes and Lyra.

The public cordially invited.

Should the weather prove unfavorable the Meeting will be held on Wednesday night.

sent you.

ALBERT D. WATSON,
President.

J. R. COLLINS,
Secretary



Private Post Card



E. A. Hodgson, Esq.

Dominion Observatory

Ottawa, Ont.

Royal Astronomical Society

PETERBOROUGH CENTRE

Peterborough, February 7th, 1916

The Astronomical Society requests the company of yourself and friends at their monthly meeting in the St. Paul's Church Sunday School on Thursday Evening, February Tenth, 1916.

MR. W. H. HARPER, B.A., Dominion Observatory, Ottawa, will lecture. Subject: "Nebula." Illustrated with lantern slides of recent photographs taken with the great telescope at Mount Wilson.

This lecture will be intensely interesting and will be delivered by a master of the subject.

No charge, no collection.

T. C. ELLIOT
Secretary

W. A. LOGAN
President

CANADA POST CARD



THE ADDRESS TO BE WRITTEN ON THIS SIDE

FW

Ed. Hodgson ONT.

~~*Mr R E K...*~~

See Bohemian Society

Ottawa

The Royal Astronomical Society of Canada
TORONTO MEETINGS, 1916

The next Regular Meeting of this Society will be held in the
SOCIETY'S ROOMS, 198 COLLEGE STREET,
on Tuesday Evening next, (February 22nd, 1916), at 8 o'clock,
Paper for the evening by

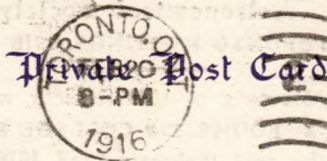
REV. DR. MARSH, F.R.A.S.,
on "THE PLANET SATURN."

The paper will be of a popular nature and illustrated with numerous views taken from recent photographs.

A course of three lectures, intended as an introduction to Observational Astronomy, will be given by Professor Chant, on three consecutive Tuesday nights, beginning on March 7th. These three lectures will be given in the **Physics Building of the University of Toronto.**

The Public cordially invited.

J. R. COLLINS,
Secretary



E. A. Hodgson Esq

Dominion Observatory

Ottawa, Ont.

The President and Council of the



Royal Astronomical
Society of Canada

(Guelph Centre)

Request the pleasure of your company to a free Lec-
ture in the Public Library Lecture Room on

Friday Evening, March 24th, 1916.

at Eight o'clock

SUBJECT :

"The Sphere formed by the sky; the apparent motions of the Sun, Moon and Stars every day; of the Moon every month; of the Sun every year; how the Sky is mapped; explanation of the Right Ascension and Declination; how to identify the Stars by the use of star maps; why the Stars change with the Seasons."

By PROF. CHANT

Toronto University.

Bring your 1916 Handbook.

FREE TO ALL.

MR. JAS. DAVISON, Hon. President PROF. W. H. DAY, President

MR. J. McNIECE, Sec.-Treasurer

MR. R. R. GRAHAM, Recording Secretary



The Royal Astronomical Society of Canada
TORONTO MEETINGS, 1916

The next Regular Meeting of this Society will be held in the
SOCIETY'S ROOMS, 198 COLLEGE STREET,
on Tuesday Evening next, (April 4th, 1916), at 8 o'clock.

(Owing to illness Dr. King will be unable to give his paper on "Boundary Surveys" until a later date in the season).

DR. ALBERT D. WATSON, (The President of the Society),
will deliver the address on

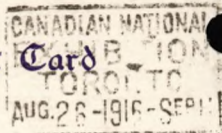
"COMPANIONS OF THE SUN."

The address will comprise a description of the family of a star; units of space; the Major and Minor planets; inferior and superior planets; planet phases; snow caps of Mars; "canals," climate and habitability of Mars; audibility of the aurora; loose surfaces of the sun and the larger planets; Saturn's Meteoric rings; discovery of Neptune; moons; eclipses; twilight shadow; functions of the atmospheres; gravitation on the minor planets; Eros; comets and meteors; relation to sun-spot periods; meteors of February 9, 1913.

The speaker will read one or two brief original astronomical poems.

The Public cordially invited.

J. R. COLLINS,
Secretary



E. A. Hodgson, Esq.

Dominion Observatory

Ottawa, Ont.

TORONTO
MEETINGS
1916



THE
MEETINGS
ARE OPEN
TO THE
PUBLIC

A SPECIAL MEETING will be held in the
Auditorium of the
CENTRAL TECHNICAL SCHOOL,
Harbord and Lippincott Sts.,
on THURSDAY, APRIL 27th, 1916, at 8 o'clock.

Professor Percival Lowell,
A.B., LL.D.,

Director of the Lowell Observatory, Flagstaff, Ariz.,
will give an illustrated lecture on

“The Genesis of the Planets.”

The Lowell Observatory was established over twenty years ago, chiefly for the study of the planets, and the investigations made there have led to the general recognition of Dr. Lowell as our greatest authority on Mars. His researches on the planets have given him a high place in the astronomical world while his books on Mars have had a very wide general circulation. Recently Dr. Lowell has made notable discoveries regarding Saturn and Uranus and the lecture, which will be of a non-technical nature, will include an account of these.

This lecture is held during the meeting of Ontario Educational Association and a large attendance is expected.

J. R. COLLINS,
Secretary.



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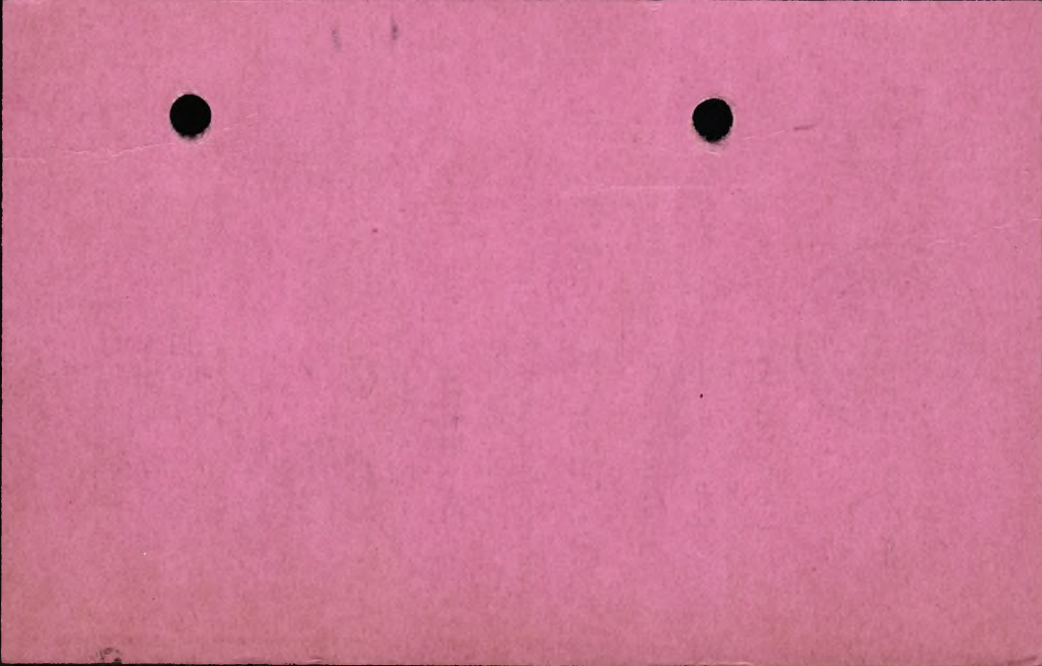
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This lecture is held during the meeting of Ontario Educational Association and a large attendance is expected. **Members will do well to be on hand early.**

J. R. COLLINS,
Secretary.



The Royal Astronomical Society of Canada
TORONTO MEETINGS, 1916

The next Regular Meeting of this Society will be held in the
SOCIETY'S ROOMS, 198 COLLEGE STREET,
on Tuesday Evening next, (May 2nd, 1916), at 8 o'clock.

Paper for the evening by

PROFESSOR A. T. DeLURY, University of Toronto,
on "**THE PRINCIPLES OF RELATIVITY.**"

A Theory that has recently been introduced in order to explain serious difficulties that have arisen in the discussion of problems involving Time and Space. The paper will give a general exposition of the subject as far as possible, in non-technical language.

Next regular meeting May 16.

The Public cordially invited.

ALBERT D. WATSON,
President.

J. R. COLLINS,
Secretary



CANADIAN NATIONAL
EXHIBITION
• TORONTO •
AUG. 26 - 1916 - SEP. 1



E. A. Hodgson, Esq.

Dominion Observatory

Ottawa, Ont.

The President and Council of the



Royal Astronomical Society of Canada

(Guelph Centre)

Request the pleasure of your company to a free Lec-
ture in the Public Library Lecture Room on
Monday Evening, October 16th, 1916.
at Eight o'clock

SUBJECT:—"GRAVITY."

In this lecture Gravity will be defined, a descrip-
tion of the modern method of determination and ap-
plications used and the application to determine the
figure of the Earth will be given. The lecture will
be free, as far as possible, from technical terms and
illustrated by lantern slides.

F. A. McDIARMID, B.A.

Dominion Observatory, Ottawa.

FREE TO ALL.

MR. JAS. DAVISON, Hon. President PROF. W. H. DAY, President

MR. J. McNIECE, Sec.-Treasurer

MR. R. R. GRAHAM, Recording Secretary



GUELPH
WINTER
1916
DEC. 1



E. A. Hodgson Esq.,
Secretary Roy. Act. Soc. Can.
Ottawa, Ont.

The Royal Astronomical Society of Canada
TORONTO MEETINGS, 1916

The Regular Meeting of this Society will be held in the
SOCIETY'S ROOMS, 198 COLLEGE STREET
on Tuesday Evening next, (October 17th, 1916), at 8 o'clock.

Paper for the evening by

F. A. McDIARMID, B.A., Dominion Observatory, Ottawa,
on "**GRAVITY.**" (Illustrated).

The lecturer will explain the methods of determining the force of gravity at different points of the earth's surface, describe the instruments used and the effects of Topograph and Isostatic Compensations, or the formative condition of certain localities and the lines of equal density, and deduce from gravity observations a result for the figure of the earth.

Papers for each meeting will be announced from time to time.

Next following meeting, October 31st.

The Public cordially invited.

A. D. WATSON,
President.

J. R. COLLINS,
General Secretary.



Private Post Card



E. A. Hodgson, Esq.
Dominion Observatory
Ottawa, Ont.

The Royal Astronomical Society of Canada
TORONTO MEETINGS, 1916

The Regular Meeting of this Society will be held in the
SOCIETY'S ROOMS, 198 COLLEGE STREET
on Tuesday Evening next, (October 31st, 1916), at 8 o'clock.

Paper for the evening by

PROFESSOR G. R. ANDERSON, University of Toronto,

on "**PHOTOGRAPHY IN COLORS.**" (Illustrated).

Synopsis of the lecture : The spectrum, primary colors, complementary colors, composition of the colors in nature. Maxwell's color curves. Nature of the operations in the production of an ordinary photograph, corresponding conditions in a color photograph, possible solutions of the problem. Direct method : the Lippmann process. Indirect methods : Ives' photochromoscope, Joly's line screen, Lumière's process, various geometric screens. Transparencies by the foregoing processes, tri-color prints, three color half-tone engraving.

Next following meeting, November 14th.

The Public cordially invited.

A. D. WATSON,
President.

J. R. COLLINS,
General Secretary.



E. A. Hodgson, Esq.

Dominion Observatory

Ottawa, Ont.

The Royal Astronomical Society of Canada
TORONTO MEETINGS, 1916

The Regular Meeting of this Society will be held in the
SOCIETY'S ROOMS, 198 COLLEGE STREET
on Tuesday Evening next, (November 14th, 1916), at 8 o'clock.

Paper for the evening by

SIR FREDERIC STUPART, F.R.S.C.,

Director of the Meteorological Service of Canada

on "**IS THE CLIMATE CHANGING?**" (Illustrated).

The lecturer will review the theories of climatic conditions of the Globe during the past 3,000 years; particularly those of Prince Krapotkin, Professor Huntington and Professor Gregory. The climate of Canada since the discovery of America. Tables of instrumental records from the days of the first observations until the present time will be utilized as a basis for the conclusions arrived at.

Next following meeting, November 28th.

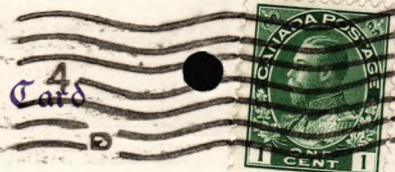
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at Eight o'clock

Subject:—"Photography in Colors." Illustrated.

Synopsis of the Lecture:—The spectrum, primary colors, complementary colors, composition of the colors in nature. Maxwell's color curves. Nature of the operations in the production of an ordinary photograph, corresponding conditions in a color photograph, possible solutions of the problem. Direct method: the Lippmann process. Indirect methods: Ives' photochromoscope, Joly's line screen, Lumière's process, various geometric screens. Transparencies by the foregoing processes. Three-color prints, three color half-tone engraving.

PROFESSOR G. R. ANDERSON

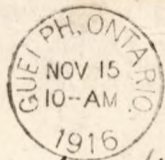
University of Toronto

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MR. J. McNIECE, Sec.-Treasurer

MR. R. R. GRAHAM, Recording Secretary



Ernest A. Hodgson Esq.,

Secretary R.A.S.S.

Ottawa, Ont.

The Royal Astronomical Society of Canada.

WINNIPEG CENTRE.

WINNIPEG, MAN., *Dec. 9* 191*6*

You are invited to attend a ~~Special~~ ^{Regular} Meeting of the above Society to be held in the ~~Physics~~ ^{Belarus} Lecture Theatre in the University Building, Broadway, at 8.15 p.m. on Wednesday *Dec 13*

Lecturer *Annual meeting*
Subject *+*

Selected Topics

Yours faithfully,

C. E. BASTIN, B.A.

President.

H. R. KINGSTON, M.A., Ph. D.

Secretary, University of Manitoba.

CANADA.

POST CARD. - CARTE POSTALE

THE ADDRESS ONLY TO BE WRITTEN ON THIS
CÔTÉ RÉSERVÉ À L'ADRESSE.



Mr. E. A. Hodgson,
Socié Royal Astron^l. Society;
Ottawa,
Ont.