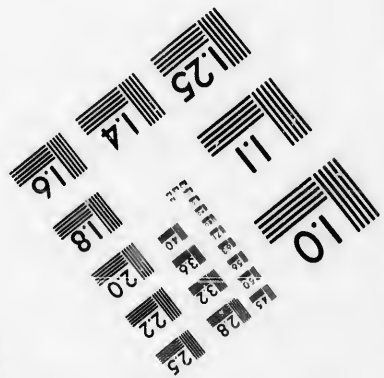
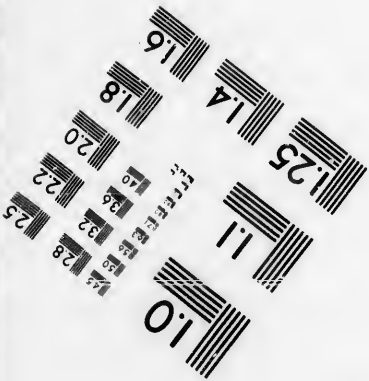
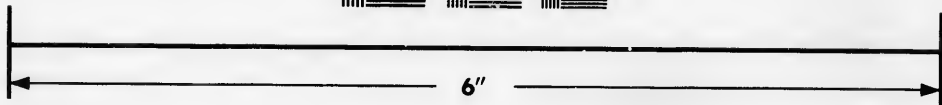
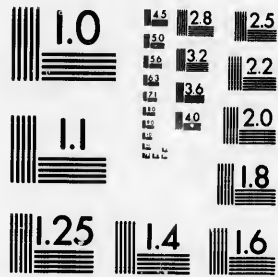


**IMAGE EVALUATION  
TEST TARGET (MT-3)**



**Photographic  
Sciences  
Corporation**

23 WEST MAIN STREET  
WEBSTER, N.Y. 14580  
(716) 872-4503

1.5  
1.8  
2.0  
2.2  
2.5  
2.8  
3.2  
3.6

**CIHM/ICMH  
Microfiche  
Series.**

**CIHM/ICMH  
Collection de  
microfiches.**



Canadian Institute for Historical Microreproductions / Institut canadien de microreproductions historiques

1.0

**© 1986**

Technical and Bibliographic Notes/Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

- Coloured covers/  
Couverture de couleur
- Covers damaged/  
Couverture endommagée
- Covers restored and/or laminated/  
Couverture restaurée et/ou pelliculée
- Cover title missing/  
Titre de couverture manque
- Coloured maps/  
Cartes géographiques en couleur
- Coloured ink (i.e. other than blue or black)/  
Encre de couleur (i.e. autre que bleue ou noire)
- Coloured plates and/or illustrations/  
Planches et/ou illustrations en couleur
- Bound with other material/  
Relié avec d'autres documents
- Tight binding may cause shadows or distortion along interior margin/  
La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure
- Blank leaves added during restoration may appear within the text. Whenever possible, these have been omitted from filming/  
Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.
- Additional comments:/  
Commentaires supplémentaires:

- Coloured pages/  
Pages de couleur
- Pages damaged/  
Pages endommagées
- Pages restored and/or laminated/  
Pages restaurées et/ou pelliculées
- Pages discoloured, stained or foxed/  
Pages décolorées, tachetées ou piquées
- Pages detached/  
Pages détachées
- Showthrough/  
Transparence
- Quality of print varies/  
Qualité inégale de l'impression
- Includes supplementary material/  
Comprend du matériel supplémentaire
- Only edition available/  
Seule édition disponible
- Pages wholly or partially obscured by errata slips, tissues, etc., have been refilmed to ensure the best possible image/  
Les pages totalement ou partiellement obscurcies par un feuillet d'errata, une pelure, etc., ont été filmées à nouveau de façon à obtenir la meilleure image possible.

This item is filmed at the reduction ratio checked below/  
Ce document est filmé au taux de réduction indiqué ci-dessous.

|                          |                          |                          |                                     |                          |                          |
|--------------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| 10X                      | 14X                      | 18X                      | 22X                                 | 26X                      | 30X                      |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12X                      | 16X                      | 20X                      | 24X                                 | 28X                      | 32X                      |

The copy filmed here has been reproduced thanks to the generosity of:

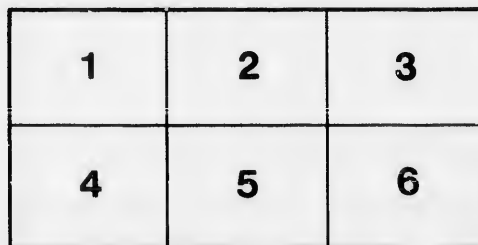
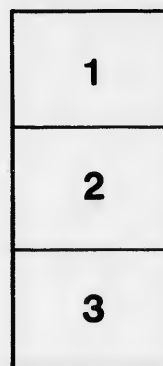
Library of the Public  
Archives of Canada

The images appearing here are the best quality possible considering the condition and legibility of the original copy and in keeping with the filming contract specifications.

Original copies in printed paper covers are filmed beginning with the front cover and ending on the last page with a printed or illustrated impression, or the back cover when appropriate. All other original copies are filmed beginning on the first page with a printed or illustrated impression, and ending on the last page with a printed or illustrated impression.

The last recorded frame on each microfiche shall contain the symbol  $\rightarrow$  (meaning "CONTINUED"), or the symbol  $\nabla$  (meaning "END"), whichever applies.

Maps, plates, charts, etc., may be filmed at different reduction ratios. Those too large to be entirely included in one exposure are filmed beginning in the upper left hand corner, left to right and top to bottom, as many frames as required. The following diagrams illustrate the method:



L'exemplaire filmé fut reproduit grâce à la générosité de:

La bibliothèque des Archives  
publiques du Canada

Les images suivantes ont été reproduites avec le plus grand soin, compte tenu de la condition et de la netteté de l'exemplaire filmé, et en conformité avec les conditions du contrat de filmage.

Les exemplaires originaux dont la couverture en papier est imprimée sont filmés en commençant par le premier plat et en terminant soit par la dernière page qui comporte une empreinte d'impression ou d'illustration, soit par le second plat, selon le cas. Tous les autres exemplaires originaux sont filmés en commençant par la première page qui comporte une empreinte d'impression ou d'illustration et en terminant par la dernière page qui comporte une telle empreinte.

U. des symboles suivants apparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole  $\rightarrow$  signifie "A SUIVRE", le symbole  $\nabla$  signifie "FIN".

Les cartes, planches, tableaux, etc., peuvent être filmés à des taux de réduction différents. Lorsque le document est trop grand pour être reproduit en un seul cliché, il est filmé à partir de l'angle supérieur gauche, de gauche à droite, et de haut en bas, en prenant le nombre d'images nécessaire. Les diagrammes suivants illustrent la méthode.

M

FO

IN

13742

1874  
1/11 13

# TESTIMONIALS

IN FAVOR OF

MR. THOMAS STERRY HUNT, M.A, Sc.D., LL.D.,

Fellow of the Royal Society of London, the American Academy of Sciences, the American Philosophical Society, the Academy of Science of St. Louis, the Imperial Leopoldo-Carolinian Academy, the Geological Society of France, the Royal Geological Society of Dublin, the Imperial Geological Institute of Vienna, Knight of the Imperial Order of the Legion of Honor, etc., etc.,

AS CANDIDATE FOR THE

## CHAIR OF GEOLOGY,

IN THE SCHOOL OF MINES, COLUMBIA COLLEGE, NEW YORK,

FROM

SIR WILLIAM E. LOGAN.

PROF. HENRY D. ROGERS.

PROF. J. W. DAWSON.

" WILLIAM B. ROGERS.

" JAMES HALL.

MR. J. P. LESLEY.

" BENJAMIN SILLIMAN.

SIR CHARLES LYELL.

" JAMES D. DANA.

" RODERICK I. MURCHISON.

PROF. ANDREW C. RAMSAY.

1874

MONTREAL :  
PRINTED BY JOHN LOVELL, ST. NICHOLAS STREET.  
1866.

F

G

ea

Sc

co

wo

inv

nit

pro

kn

inc

sub

esp

lem

sub

hav

bot

I

paic

will

of g

the

I

sion

by t

accu

From SIR WILLIAM E. LOGAN, F.R.S., F.G.S., Director of the  
Geological Survey of Canada.

*To the President and Trustees of Columbia College.*

GENTLEMEN,

Understanding that my friend, Dr. Thomas Sterry Hunt, is a candidate for the chair of Geology about to be established in the School of Mines, in Columbia College, I am desirous of stating that I consider him pre-eminently fitted for the appointment. Having worked together as colleagues for the last nineteen years in the investigation of Canadian Geology, I have had ample opportunity to know that few equal him in the attainments required for the proper study and promotion of the science, and that he applies his knowledge with rare genius and skill, and with that unremitting industry and perseverance which is derived from a love of the subject.

Being an accomplished chemist and mineralogist, Dr. Hunt has especially distinguished himself in investigating the difficult problem of rock-metamorphism, and his numerous publications on the subject, illustrated by his analyses of minerals and mineral waters, have received the commendations of the leaders in geological science both in Europe and America.

Economic Geology is a branch to which great attention has been paid by the Canadian Survey, and the experience of Dr. Hunt will enable him to point out, with effect, the various applications of geological science to the useful purposes of life, which is one of the chief objects in view in a School of Mines.

Dr. Hunt communicates his knowledge with clearness and precision. He would enter upon the duties of his chair already prepared, by the courses of lectures which he has for some years past been accustomed to give in the University of McGill College at Montreal.



and that of Laval at Quebec, upon the very subjects which he would be required to teach at New-York; and I do not hesitate boldly to assert my conviction, that in the performance of his functions he would bring honor to himself and credit to Columbia College.

I have the honor to be,

Gentlemen,

Very respectfully your most obedient Servant,

W. E. LOGAN.

GEOLOGICAL SURVEY OFFICE,  
MONTREAL, 1st Feb., 1866.

---

From Dr. J. W. DAWSON, F.R.S.

*To the Trustees of Columbia College.*

GENTLEMEN,

Understanding that Dr. T. Sterry Hunt is a candidate for the Chair of Geology in Columbia College, I have much pleasure in stating that I have been intimately acquainted with Dr. Hunt for the last ten years, and have thus enjoyed special opportunities of appreciating his great ability and success as an original investigator in some of the most difficult questions of Theoretical Geology, and also his skill as a practical geologist and as a teacher of Geology and allied subjects. On these grounds, as well as from my knowledge of his personal character, and of his deservedly high scientific reputation, I have no hesitation in stating my belief that he is eminently fitted to adorn the Chair for which he is an applicant.

I have the honour to be

Your obedient servant,

J. W. DAWSON, LL.D.

*Principal of McGill University.*

MCGILL UNIVERSITY, MONTREAL, Jan. 28th, 1866.

---

From Professor JAMES HALL.

*To the President and Trustees of Columbia College.*

GENTLEMEN,

I have recently learned that Professor T. Sterry Hunt, F.R.S., of the Geological Survey of Canada, will be a candidate for the Chair of Geology to be filled in the Mining School connected with Columbia College, and I beg leave to offer my most cordial recommendation in his favor. I have known Mr. Hunt personally for many years, and have been familiar with the course of his studies and investigations; and it is not too much to say that he has done more than any other person to advance and establish upon a clear and indisputable foundation, the science of Chemical Geology and Mineralogy. In his knowledge of Structural Geology, also, I regard Mr. Hunt as holding a pre-eminent position. But his *status* among scientific men is not to be left to the opinion of his immediate friends and co-laborers: the record of his published investigations is quite sufficient to place him in the front rank among all those cultivating chemical and geological science. The courses of investigation pursued by Mr. Hunt are especially applicable to the teaching required in a School of Mines.

I conceive it to be of the first importance to all institutions where science is taught, to secure the services of men who can show to the world by the published record of their investigations, that they are not only capable of keeping up with the progress of science, but of advancing our knowledge of the departments in which they are working. It is by this means that the world becomes aware of the sources of progress in science; and to such places and such teachers will those students resort who wish to prepare themselves to enter the arena, whether for scientific investigation for its own sake, or for its practical application to the wants of civilized life.

I am, very respectfully,

Your obedient servant,

JAMES HALL.

ALBANY, January 5th, 1866.

From Professor BENJAMIN SILLIMAN.

*To the Trustees of Columbia College.*

GENTLEMEN,

Professor T. Sterry Hunt, for many years connected with the Geological Survey of Canada, under Sir William Logan, is, I understand, a candidate for the Geological Chair about to be established in your institution. It gives me pleasure to have an opportunity to bear my testimony to the remarkable attainments of Professor Hunt in Geology, Mineralogy and Chemistry. Nineteen years of active service in the field and the laboratory, in the prosecution of the Canadian Survey, have given to him a fund of experience as an original observer second to that of no other Geologist in America. I have known him intimately since 1845, when he was for a time associated with me as assistant here, and can speak from personal knowledge of his high attainments in many departments of physical science, of the fertility of his genius, and of his great power of acquiring, retaining and communicating knowledge. He has also had several years of experience as a teacher, both in the Laval University at Quebec, and in McGill College at Montreal.

His reputation is equalled in Europe by that of few American scientists of his age, as is evinced by the honorable notice taken of his various scientific labors, and his membership of many noted Scientific Societies. The list of his original contributions to Geology, Mineralogy and Chemistry, in the journals of this country, is of great extent, and will doubtless be submitted to you.

In appointing Mr. Hunt to the chair in question you will, in my humble judgment, secure a most able and efficient officer, and add new lustre to your honored institution.

Respectfully yours,

B. SILLIMAN.

YALE COLLEGE, NEW HAVEN, Dec. 30th, 1865.

---

From Professor JAMES D. DANA.

Professor T. Sterry Hunt is one of the first Geologists and Chemists of America, both practical and theoretical, and has done

much in the way of original investigation. He has also had long experience as a lecturer in the Universities in Canada. His name will bring scientific reputation to any institution with which he may be connected.

JAMES D. DANA,

*Prof. of Geol. and Min., Yale College.*

NEW HAVEN, January 5th, 1866.

From Professor HENRY DARWIN ROGERS, of the University of  
Glasgow.

*To the Trustees of Columbia College.*

GENTLEMEN,

Having recently learned that my esteemed friend T. Sterry Hunt, Esq., of the Geological Survey of Canada, is a candidate for the new Chair of Geology about to be established in the School of Mines in your University, I take the liberty of expressing my conviction of his high qualification for that professorship. Cultivating and teaching for many years past some of the very branches of science for the successful pursuit of which Mr. Hunt has made himself eminent among Chemists and Geologists, as well in Europe as in America, I have had occasion to study his scientific publications, and I take pleasure in testifying my high admiration of his learning, and his capacity in teaching the subjects to which he has applied his talents. Residing for several years chiefly in Great Britain, I am aware of the excellent reputation which Mr. Hunt has in Europe, not only for a rare originality in research, but for an uncommon lucidity of diction in his scientific writings.

Feeling assured that his superior endowments will make Mr. Hunt a valuable acquisition to any scientific institution which may invoke his talent and assiduity, I do not hesitate to earnestly recommend him for the Geological Chair in your School of Mines.

Yours respectfully,

HENRY D. ROGERS.

1 TEMPLE PLACE, BOSTON, Jan. 15th, 1866.

From Professor WILLIAM B. ROGERS, President of the Institute  
of Technology.

*To the Trustees of Columbia College.*

GENTLEMEN,

Having learned that Mr. T. Sterry Hunt is a candidate for the Chair of Geology in the School of Mines in your College, I take pleasure in offering my testimony to his high standing as a man of science, and in expressing my confidence in his superior fitness for the place.

Mr. Hunt has won a wide reputation by his original investigations and discussions in Chemical Geology; and has moreover made himself familiar, theoretically and in the field, with the other departments of the subject. His long course of studious training, original research, and active exploration, affords the best guarantee of his preparation for the duties of the professorship, and authorizes the highest expectations of his success.

Trusting that you will secure his services, I remain,

Yours very truly,

WILLIAM B. ROGERS.

1 TEMPLE PLACE, BOSTON, Jan. 25th, 1866.

---

From J. P. LESLEY, Esq.

*To the President and Trustees of Columbia College.*

GENTLEMEN,

I have been requested to give my testimony to the qualifications of one of the candidates for the chair of Geology in Columbia College, Dr. T. Sterry Hunt, formerly of Connecticut, and now of the Geological Survey of Canada, and Professor of Chemistry and Geology at Montreal and Quebec. I do so most willingly, for it has been for some years my cherished wish to get Mr. Hunt back among us. I sincerely trust that his high reputation for past work, and his great genius for observation and induction will induce you to obtain his services for the rest of his life, for what I cannot but look upon as the great central chair of Geological

science in the United States. He is the man to fill it—in the prime of life, and full of zeal. With Bischof, De Senarmont, Daubrée and Delesse, he has established one department of Geology on a new and broad foundation; his native ability has placed him with those men at the head of Chemical Geology. He is moreover an apt and interesting teacher, who will sympathize with your students, and will inspire them to original discoveries.

I cannot but think that it would be particularly desirable, and redound greatly to the future prosperity and reputation of Columbia College, to secure an acknowledged master in this special branch of Geological science, because it is nowhere taught in America by any geologist except Mr. Hunt. Structural Geology has several admirable teachers; Palaeontological Geology can be learned at several of our Colleges and Universities by the help of fine museums already in existence; but the new and most important branch of Chemical Geology, in the present acceptation of the term, as formulated by Hunt and a few of his fellow-workers abroad, is nowhere expounded in the United States by competent authority. This makes it all the more desirable that the great future university of science in the metropolis of the United States should have it taught, and by its best master.

With great respect,

J. P. LESLEY.

PHILADELPHIA, February 13th, 1866.

---

FROM SIR CHARLES LYELL, BART.

*To the Trustees of Columbia College, New-York City.*

GENTLEMEN,

Having been informed by Mr. T. Sterry Hunt, of the Geological Survey of Canada, that he is a candidate for the chair of Geology in the new School of Mines in your College, I have great pleasure in recommending him as one whom I consider eminently qualified to fill that place. I know that my friend Sir William Logan has always entertained a high opinion of him, as a most efficient member of his corps; and I have myself derived great

advantage from the study of his numerous memoirs, in which he has brought to bear his profound knowledge of Chemistry and Mineralogy on the classification of rocks, and on various theoretical problems in Geology. In addition to his labors in the laboratory, and his observations in the field, we are indebted to Mr. Hunt for many bold and original views and speculations in several departments of Geology, by which the progress of that science has been greatly advanced.

I have the honor to be,  
Gentlemen,  
Your obedient Servant,  
CHARLES LYELL.

LONDON, January 16th, 1866.

From SIR RODERICK IMPEY MURCHISON, BART., Director-General  
of the Geological Survey of Great Britain, and of the Royal  
School of Mines.

16 BELGRAVE SQUARE, LONDON, 12th Jan., 1866.

MY DEAR SIR,

Although I am sorry to hear that you think of leaving Canada, (for by that means my eminent friend, Sir William Logan, will lose his right-hand man,) I shall always rejoice to hear that you succeed in obtaining any appointment that you desire to hold, and I am sure that the great and important city of New York will be most fortunate if it is provided with so sound a teacher of geological science as yourself.

Few geologists combine, as you do in your own person, a thorough acquaintance with chemistry and great experience in the field—that experience gained in conjunction with and under the eye of a teacher who is assuredly shown to be second to none by the talent and perspicacity with which he has determined the geological structure of Canada.

Wishing you every success, and thanking you on my own part for your clear elucidation of the structure of my dear Silurian rocks where they have undergone metamorphism,

I remain yours sincerely,  
RODERICK I. MURCHISON.

T. STERRY HUNT, ESQ., F.R.S.

From Professor A. C. RAMSAY.

ROYAL SCHOOL OF MINES, LONDON, Jan. 12th, 1866.

MY DEAR STERRY HUNT,

I have much pleasure in bearing testimony that I consider that your appointment to the professorship of Geology in the New School of Mines is in every way desirable. The clearness and precision of your style, both in speaking and writing, is very marked, and would be of great importance to the students. In my opinion you possess the faculty of explaining difficult subjects in a manner that is not at all common. Your numerous memoirs also, on many geological questions of the highest scientific and practical value in Geology and Mineralogy, have gained you a wide and well deserved reputation both in America and in Europe; while your great knowledge of Chemistry has enabled you to bring that science to bear upon the solving of many geological problems in a way that unfortunately few geologists are able to emulate.

I shall consider the School of Mines fortunate if they succeed in obtaining your services.

Ever sincerely yours,

ANDREW C. RAMSAY,

*Local Director of the Geological Survey of Great Britain;  
Professor of Geology in the Royal School of Mines;  
and late President of the Geological Society of London.*



