

UNIVERSITY OF TORONTO



3 1761 01080291 6

Testimonials in favour of
Frank D. Adams together
with statement of
standing and list of his
published papers

QE
22
A33T4



Presented to
The Library
of the
University of Toronto
by
the Estate of
Robert A. Johnston

TESTIMONIALS

IN FAVOUR OF

FRANK D. ADAMS, M. Ap. Sc., Ph. D., F. G. S. A.

TOGETHER WITH

STATEMENT OF STANDING

AND

LIST OF HIS PUBLISHED PAPERS.



Digitized by the Internet Archive
in 2008 with funding from
Microsoft Corporation

TESTIMONIALS

IN FAVOUR OF

FRANK D. ADAMS, M. Ap. Sc., Ph. D., F. G. S. A.

TOGETHER WITH

STATEMENT OF STANDING

AND

LIST OF HIS PUBLISHED PAPERS.

JOHN MURPHY & CO., PRINTERS,
BALTIMORE.



855293.

STATEMENT OF STANDING.

Matriculated in 1876 from Montreal High School into the Department of Applied Science (Practical Chemistry Course) of McGill University. Graduated three years later as Bachelor of Applied Science with first rank honours in Natural Science. Continued scientific studies as a Post-Graduate Student during the next year in the Sheffield Scientific School of Yale University.

In 1880 received appointment on the regular staff of the Geological Survey of Canada—with which I had been connected since 1877—which appointment was held until 1889.

In 1886 was one of the representatives of the Geological Survey of Canada at the Colonial and Indian Exhibition in London.

In 1888 was elected a Fellow of the Geological Society of America.

In 1889 was appointed Lecturer in Geology (including Petrography) at McGill University, which appointment has been held since that time.

Studied three semesters at the University of Heidelberg and graduated in 1892 as Doctor of Natural Philosophy with the highest possible honours (“Summa cum laude”).

Also studied several times for short periods at Johns Hopkins University.

LIST OF THE MORE IMPORTANT
PAPERS PUBLISHED BY
FRANK D. ADAMS.

1. On the presence of chlorine in Seapolites.
American Journal of Science, April, 1879.
2. Notes on the Microscopic Structure of some rocks of the Quebec Group.
Report of the Geological Survey of Canada, 1880-82.
3. On the occurrence of the Norwegian "Apatit-bringer" in Canada, with a few notes on the microscopic character of some Laurentian Amphibolites.
Read before the British Association for the advancement of Science at Montreal in 1884, and published in abstract in the volume for that year.
4. On the Presence of Zones of certain Silicates about the Olivine occurring in the Anorthosite Rocks from the River Saguenay.
American Naturalist, November, 1885.
5. The Anorthosite Rocks of Canada.
Read before the British Association for the advancement of Science at Birmingham, 1886, and published in abstract in volume for that year.
6. On the Coal Bearing Rocks of Canada.
Read before the British Association for the advancement of Science at Birmingham, 1886, and published in abstract in the volume for that year.

7. A visit to Ohlendorff's Chemical Works.
Canadian Mining Review, 1887.
 8. Notes on the Lithological character of some rocks collected in the Yukon district and the adjacent northern portion of British Columbia.
Report of the Geological Survey of Canada, 1887.
 9. (With Dr. A. C. Lawson). On some Canadian Rocks containing Scapolite, with a few notes on some rocks associated with the apatite deposits.
Canadian Record of Science, October, 1888.
 10. On the Microscopical character of the ore of the Treadwell Mine, Alaska. *American Geologist*, 1889.
 11. On some Granites from British Columbia and the adjacent parts of Alaska and the Yukon District.
Canadian Record of Science, 1891.
 12. Notes to accompany a Tabulation of the Igneous Rocks based on the System of Professor H. Rosenbusch.
Canadian Record of Science, 1891.
 13. On a Melitite Bearing Rock (Alnoite) from Ste. Anne de Bellevue near Montreal, Canada.
American Journal of Science, April, 1892.
 14. On the Geology of the St. Clair Tunnel.
Transactions of the Royal Society of Canada, 1891.
 15. Ueber das Norian oder Ober-Laurentian von Canada.
Neues Jahrbuch für Mineralogie—Beilage Band VIII, 1893.
 16. Many short reports on the composition and character of Canadian Ores, Mineral Waters, etc., with chemical analysis of same, published in the annual Reports of the Geological Survey of Canada from 1878 to the present time.
-

TESTIMONIALS.

From ALFRED R. C. SELWYN, C. M. G., LL. D., F. R. S., F. G. S., &c.,
Director of the Geological Survey of Canada, Ottawa, Canada.

MY DEAR DR. ADAMS,—

I may say that I am exceedingly pleased to learn that you are a candidate for the Logan Chair of Geology at McGill. I am quite certain that it would be exceedingly difficult, if not impossible, to find any one who, from training, study and practical experience, and knowledge of geological work, would be more competent than yourself to give sound instruction in geology and in all the best methods of geological investigation. I therefore sincerely trust that, in the best interests of the science in Canada, there will be no hesitation on the part of the University authorities in selecting you for the vacant chair, which, if elected, you will, I feel assured, fill with much credit and honour to the University and to yourself. With best wishes for your success, believe me to be

Very sincerely yours,

ALFRED R. C. SELWYN.

April 25th, 1893.

From G. M. DAWSON, C. M. G., D. Sc., LL. D., F. G. S., Associate R. S. M.,
&c., Assistant-Director of the Geological Survey of Canada.

THE CHANCELLOR, MCGILL UNIVERSITY, MONTREAL.

Sir,—Understanding that Mr. F. D. Adams is a candidate for the Logan Chair of Geology in McGill University, it

affords me much pleasure to express my belief that he is eminently qualified for that position, both by training and experience, and that if appointed to the chair, he will conduct the work connected with it, to the satisfaction and advantage of the University.

Mr. Adams has availed himself of the best opportunities for the study of geological subjects, both in Europe and America. He has also had long practical experience in geological work in connection with the Geological Survey of Canada, which has enabled him to familiarize himself especially with the details of Canadian Geology and with the economic minerals of the country.

I am familiar not only with Mr. Adams' work, while connected with the Survey, but also with various memoirs resulting from his investigation of special subjects, and have formed the highest opinion of both.

I have the honour to be, Sir,

Your obedient Servant,

GEORGE M. DAWSON.

HOTEL CHATHAM, PARIS, 26 *April*, 1893.

FROM JOHN W. JUDD, Ph. D., F. R. S., F. G. S., &c., Professor of Geology in the Royal College of Science, London, England, and formerly President of the London Geological Society.

THE CHANCELLOR OF MCGILL UNIVERSITY, MONTREAL.

Sir,—It is with feelings alike of pleasure and confidence that I venture to address you on the subject of the appointment to the Geological Chair in your University. I feel sure that I am only expressing the general sentiment of geologists in Europe in stating that the researches of Dr. Frank D. Adams are of the highest scientific value and that they are full of promise for the future.

These researches in mineralogy and on various branches of geological science which have been carried on during the last fourteen years have made Dr. Adams' name widely known as an investigator of singular acuteness and a thinker of no ordinary powers.

With his wide knowledge of Canadian Geology and considerable experience in the work of teaching, I cannot but feel that he is especially marked out as a worthy successor to the chair so long and ably filled by Sir William Dawson. The appointment of Dr. Adams to the Chair of Geology at Montreal would ensure the continued excellence of the geological teaching in the University, and would be an appropriate recognition of a scientific career of great success and still greater promise.

I have the honour to be, Sir,

Yours very faithfully,

JOHN W. JUDD.

SOUTH KENSINGTON, LONDON, S. W., 21st April, 1893.

From H. ROSENBUSCH, Ph. D., &c., Professor of Mineralogy and Petrography, University of Heidelberg, Heidelberg, Germany.

(Translated from the German.)

TO THE CHANCELLOR OF MCGILL UNIVERSITY,
MONTREAL, CANADA.

Sir,—I learn that my estimate of Dr. Frank D. Adams may be of service to him and I am very happy to avail myself of this opportunity of expressing my sincere esteem for this young scholar.

My knowledge of Dr. Frank D. Adams was obtained from the study of his scientific publications and from intimate personal association with him during three semesters in which he studied under my guidance, in the Mineralogical and Geological Institute of this University.

His earnest scientific work, the scrupulous care of his observations, the thoroughness of his investigations, and the objectivity of his statements have won my high esteem. I am fully convinced that he would discharge the assumed professorial duties with devotion and consider him as perfectly qualified to fill a University position as teacher of Geology and Petrography.

It would be a source of great pleasure to me if this testimonial should be of service to this talented young scholar.

Yours respectfully,

H. ROSENBUSCH.

HEIDELBERG, *April 8th*, 1893.

From A. ANDREÆ, Ph. D., Professor of Palaeontology in the University of Heidelberg, Heidelberg, Germany.

(*Translated from the German.*)

TO THE CHANCELLOR OF MCGILL UNIVERSITY,
MONTREAL, CANADA.

Honoured Sir,—I learn that Dr. F. Adams is about to apply for the Professorship of Geology and Palaeontology in your University. I take this opportunity of most heartily recommending Dr. Adams especially as a teacher of Palaeontology. He has for several semesters worked in my Institute in Heidelberg, paying especial attention to the Invertebrata and other fossil forms of especial importance from a geological point of view. I believe that Dr. Adams is a gentleman thoroughly qualified to represent Palaeontology in your University. With greatest respect I remain

Yours most sincerely,

DR. A. ANDREÆ.

HEIDELBERG, *April 12th*, 1893.

From Professor E. S. DANA, Ph. D., &c., Yale University, New Haven, Conn., U. S. A.

TO THE CHANCELLOR OF MCGILL UNIVERSITY.

Dear Sir,—Being informed that Dr. Frank D. Adams is a candidate for the chair of Geology and Paleontology at your University, it gives me much pleasure to express my high opinion of him and my belief that he will do honour to any position to which he is appointed. His course of training in Geology, Mineralogy and Chemistry has been broad and thorough, and he has made the best use of his opportunities, which have been unusually good. He carried away from New Haven the esteem and respect of his associates and instructors alike, and judging from the remarks of his chief instructor at Heidelberg—in a personal interview last summer—the same was true there. The fact that he obtained the highest degree in Germany bears testimony to the character of his work. He has already shown the spirit of the investigator, and has published a series of papers which do him much credit. I believe that in the future he will bring credit to his University both as a teacher and a man of science. I remain with high respect,

Very truly yours,

E. S. DANA.

YALE UNIVERSITY, *April 20th*, 1893.

From GEORGE JARVIS BRUSH, Ph. B., LL. D., &c., Professor of Mineralogy, Sheffield Scientific School, Yale University, New Haven, Conn., U. S. A.

TO THE CHANCELLOR OF MCGILL UNIVERSITY, MONTREAL.

Sir,—Having learned that Dr. Frank D. Adams is a candidate for the position of Logan Professor of Geology in your University, I take much pleasure in offering my testimony as to his qualifications for this chair.

Dr. Adams was a graduate-student in this University in 1878-79 when I had an opportunity to make his acquaintance

and to obtain personal knowledge of his ability as a student, and also to learn something of his qualities as an investigator. I have also watched his career since he left here, and have been much gratified with the character of the scientific work he has accomplished.

Few Geologists have had the benefit of such varied training in the field, the laboratory and the class-room, and that he has fully availed himself of the opportunities he has enjoyed is abundantly demonstrated by his published contributions to geological science. Added to this experience he has the earnest enthusiasm and personal character which must greatly increase the value of his instruction in the University.

I most cordially commend him to your consideration for the position of Logan Professor of Geology, believing that if appointed he will discharge the duties of that chair with such ability as to bring honor alike to himself and the University. I am, with great respect,

Yours very truly,

GEO. J. BRUSH.

NEW HAVEN, CONN., *April 20th*, 1893.

From GEORGE H. WILLIAMS, B. A., Ph. D., Professor of Inorganic Geology,
Johns Hopkins University, Baltimore, Md., U. S. A.

TO THE CHANCELLOR OF MCGILL UNIVERSITY, MONTREAL.

My Dear Sir,—I regard it as a privilege to be able to address to you, and through you to the Board of Governors of McGill University, my estimate of the fitness of Dr. Frank D. Adams for the Logan Professorship of Geology.

Since we were fellow students in the University of Heidelberg, in 1880–81, I have known Dr. Adams intimately, and have come to value more and more highly his many personal and scientific qualities. Of the former, and of his popularity and success as a teacher, it is, of course, unnecessary for me to speak, since they are even better

known to those who are near him. I take it that you will care to hear from me only what I think of his scientific ability, equipment and work.

The department of Geology to which Dr. Adams has in the main devoted his attention is the one which in my opinion is the most difficult, but at the same time the most attractive and promising in the science. It is the one which, if it has in the past yielded the least definite results, is destined in the future to be second to none, since it covers the longest part of the earth's history. Its tardy development has been due to the lack of adequate methods and a clear formulation of its problems. These are now at hand, and Geology should be represented in Montreal only by some one thoroughly acquainted with modern methods for the study of metamorphic and pre-Cambrian rocks. For this line of work Canada presents a field perhaps unrivalled in the world, and I know of no available man better equipped to cultivate it than Dr. Adams.

He has the great advantage of a much more thorough chemical experience than is usual with geologists—a training somewhat the result of circumstances, but a most valuable preparation for original research on the crystalline rocks. In the second place, a personal acquaintance, resulting from twelve years of field work, with the country where his problems lie. He has also had the advantage of long, frequent and recent contact with the foremost investigators in his field of work, so that he comes with his mind filled with the best and freshest ideas of Europe and this country. His published papers show his appreciation of critical points, and an ability to observe keenly and to draw even from small material, conclusions of wide-reaching importance.

Other fields of geology than that chosen for his own researches have by no means been left by Dr. Adams uncultivated, so that, for purposes of teaching at least, he has an adequate all-round equipment.

In short, I have no hesitation whatever in saying that in my best judgment, and from my knowledge of the requirements of the Professorship which you desire to fill, there is no available person better fitted as a man, a teacher, a student and an investigator to hold the position than Dr. Adams.

Should my opinion be desired upon any more special points than those touched upon in this letter, I shall be happy to place it at your disposal.

Very respectfully,

GEO. H. WILLIAMS.

BALTIMORE, *April 7th*, 1893.

From WILLIAM B. CLARKE, Ph. D., Associate Professor of Organic Geology,
Johns Hopkins University, Baltimore, Md., U. S. A.

TO THE CHANCELLOR OF MCGILL UNIVERSITY,
MONTREAL, CANADA.

Dear Sir,—I take the liberty of addressing a letter to you in regard to Dr. Frank D. Adams, whom I have known as a friend for some years and for whose scientific attainments and strong character I have the greatest admiration. Dr. Adams accompanied me, several years ago upon a scientific expedition to the region adjoining the Chesapeake Bay and its tributaries, and upon that occasion I had an opportunity to become acquainted with his wide scientific attainments. I think among the younger men in America in geological science he has few equals. His publications have attracted much attention among scientific men and show a fundamental knowledge of the subjects with which he deals.

It is of the greatest importance to an institution that its Professor of Geology should be fully versed in the geology of the country and region in which he has to labour. In this particular especially Dr. Adams is well equipped for collegiate or university work in Canada.

To scientific men generally his elevation to the Logan Chair at McGill University would meet with hearty approval. Believe me

Very respectfully,

WILLIAM B. CLARKE.

BALTIMORE, *April 14th*, 1893.

From C. R. VAN HISE, M. S., F. G. S. A., Professor of Geology in the University of Wisconsin, non-Resident Professor of pre-Cambrian Geology in the University of Chicago, Chief of the Lake Superior Division of the U. S. Geological Survey.

TO THE CHANCELLOR OF MCGILL UNIVERSITY,
MONTREAL, CANADA.

Sir,—Having learned that Sir William Dawson intends to resign the Professorship of Geology and Palaeontology in McGill University, I venture to write you of the reputation which Dr. Frank D. Adams has made abroad. You, better than I, know his reputation for sound geological work at home. As a specialist in pre-Cambrian rocks I have followed Dr. Adams' publications on this group for Canada. As you are well aware the group covers as extensive an area in the eastern half of Canada as all others combined.

All of Dr. Adams' papers upon these rocks have borne the marks of a careful investigator. His later work upon the anorthosite series and other Laurentian rocks of Canada is one of the more important publications on the crystalline rocks which has appeared for some time. However, even of more interest to me is the promise for important future results shown in the temper of this publication. Due weight is given to all previous articles upon the subject treated; capacity for careful and accurate observation is shown as I personally know, having visited the Laurentian areas; and more than both of these, the rare power is indicated to draw the generalizations which legiti-

mately follow from the facts available, without running into erratic speculations or unsound theories.

Very respectfully yours,

C. R. VAN HISE.

MADISON, WIS., *April 15th*, 1893.

From JOSEPH P. IDDINGS, Ph. B., Associate Professor of Petrology in the University of Chicago, Ill., U. S. A.

TO THE CHANCELLOR OF MCGILL UNIVERSITY, MONTREAL.

Dear Sir,—I take the liberty of addressing you in behalf of my friend, Dr. Frank D. Adams, who I understand is desirous of being appointed to the chair of geology in the McGill University. It gives me great pleasure to do so since I am confident that the University will find in Dr. Adams both an able geologist and a gentleman in the best sense of the word. Having known him for more than eleven years, I am able to assure you of his qualifications as a geologist along those lines about which I may be permitted to express an opinion, that is in petrology. But he has extended his studies beyond the limits of this portion of geology and has prepared himself for the broader field of general geology. His ability to teach the subject you have recently tested, and I trust he was as successful in this undertaking as he has been as an investigator. His association with the University together with his experience and acquaintance with those of Yale, Johns Hopkins and Heidelberg would seem to render him peculiarly well fitted to undertake the duties of a professorship and would make him an intelligent member of the University faculty.

Begging your favorable consideration of his application for the position mentioned, I have the honour to be

Yours very respectfully,

JOSEPH P. IDDINGS.

CHICAGO, *April 10th*, 1893.

From WHITMAN CROSS, B. A., Ph. D., in charge of the Colorado division of the United States Geological Survey, Washington, D. C., U. S. A.

TO SIR WILLIAM DAWSON,
CHANCELLOR OF MCGILL UNIVERSITY.

Dear Sir,—I have learned of the candidacy of Dr. F. D. Adams for the "Logan Chair of Geology and Palaeontology" in McGill University, so long occupied by yourself, and I most respectfully beg permission to express my regret that it is necessary for you to retire and my sincere hope that Dr. Adams may receive the appointment. His success would be a fitting recognition of his fine qualities as a geologist, a teacher, and a cultivated gentleman, and would fill the most prominent professorship of geology in Canada with a man well equipped to succeed yourself.

I am quite familiar with the published record of Dr. Adams' work, and have great admiration for the breadth of view he displays while so thoroughly grounded in a great specialty—petrology. It is the opinion expressed by many in this country, besides myself, that we have a right to expect very important results from the application of Dr. Adams' talents and knowledge to some of the great problems of geology as illustrated in Canadian areas. His most recent publication, on the Norian or Laurentian of Canada, is an evidence in this direction which must be fully appreciated by his own countrymen.

There is no one whose selection for this eminent position would seem to me to promise more satisfactory results than that of Dr. Adams.

With assurances of the highest esteem, I am,

Very respectfully yours,

WHITMAN CROSS.

WASHINGTON, D. C., April 12th, 1893.

From J. S. DILLER, B. S., F. G. S. A., in charge of the Division of Petrography, United States Geological Survey, Washington, D. C., U. S. A.

TO THE CHANCELLOR OF MCGILL UNIVERSITY,
MONTREAL, CANADA.

Sir,—It is a pleasure to say a word in behalf of a young man like Dr. Frank D. Adams whose published results so clearly show that he stands in the front rank of progressive geologists of this country. He has made nearly a score of original contributions to the science of geology, chiefly from a petrological and chemical standpoint.

His investigations of the rocks of the Quebec group, of the granites from British Columbia and adjacent parts of Alaska, and the Canadian rocks containing Scapolite and those associated with the apatite deposits are best known to me. They give evidence of that careful observation of facts and of that keenness of judgment in interpretation and generalization which characterize a geologist of the highest grade. In the particular phases of geological investigation to which he has given special attention, Dr. Adams stands far ahead of any other Canadian geologist.

His happy disposition, pleasing address, clearness of statement and full appreciation of the needs of students, qualify him well for giving university instruction and I heartily recommend him as a worthy successor of Sir William Dawson in the Logan Chair of Geology of McGill University.

Very respectfully yours,

J. S. DILLER.

WASHINGTON, *April 10th*, 1893.

From the Rev. ABBÉ LAFLAMME, M. A., D. D., Professor of Mineralogy and Geology, Laval University, Quebec, Canada.

MONSIEUR LE CHANCELIER DE L'UNIVERSITÉ MCGILL,
MONTREAL.

Monsieur le Chancelier,—Je viens d'apprendre que la chaire de géologie sera bientôt vacante dans votre grande Université. Au risque de faire une indiscrétion, je me permettrai de recommander tout spécialement à votre considération et à celle de votre Conseil Monsieur le Professor Adams, déjà Lecturer en géologie depuis de longues années. Les travaux nombreux et importants qu'il a faits dans cette science le placent au premier rang parmi nos géologues et nos pétrographes. Je ne crois pas me tromper en disant que sa nomination serait extrêmement bien vue par tout le monde. Les nombreux titres Académiques qu'il a remportés partout où il a étudié m'en sont un sûr garant.

Veuillez agréer, avec l'hommage de ma haute considération, l'expression de mon respect le plus entier,

J. C. K. LAFLAMME.

QUEBEC, April 14th, 1893.

From A. P. COLEMAN, M. A., Ph. D., Professor of Metallurgy and Assaying in the School of Practical Science, University of Toronto.

THE CHANCELLOR OF MCGILL UNIVERSITY.

Sir,—Having learned that it is the intention to appoint a successor to Sir William Dawson, as Logan Professor of Geology and Palaeontology in McGill University, I take the liberty of strongly recommending Dr. F. D. Adams for the position. He is one of the most promising of the younger geologists of America, and his work, especially in Petrography, has been very favorably received both in the Old World and here. Judging from the energy and success of his work in

the past, both as working geologist and instructor, he will prove an honour and a source of strength to any institution he may be connected with.

Respectfully yours,

A. P. COLEMAN.

QE
22
A33T4

Testimonials in favour of
Frank D. Adams together
with statement of standing
and list of his published
papers

Physical &
Applied Sci.

PLEASE DO NOT REMOVE
CARDS OR SLIPS FROM THIS POCKET

UNIVERSITY OF TORONTO LIBRARY
