14 Papers, Jan. – June 1868

My dear Sir

My Father bids me send you a check for 3000$ for the use of the Institute of Technology.

With the compliments of the season I have the honor to remain

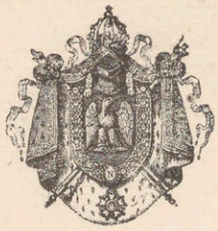
Yours faithfully

Augustus Lowell

Boston Street
1 Jan '68

EXPOSITION UNIVERSELLE DE 1867

A PARIS.



La Commission Impériale

offre

à Mr. W. B. Rogers,

Membre de la Commission des Etats-Unis d'Amérique

deux Médailles

en témoignage des Services rendus

à l'oeuvre internationale.

Paris, le 5 Janvier 1868.

Le Sénateur, Commissaire général,

F. Le Play

2/

Washington Jany 6th 1868.

Prof. Rogers

My dear Sir.

Will you do me the kindness to write a note to the Hon. Commissioner of Public Lands, and send it to me at this place, recommending me as a suitable person to take charge of one of the Government Geological Surveys, to be started in the Western Territories next season. If you think me qualified for such a position, and have no objections to giving me such a recommendation, please say as much as you think you can consistently in my behalf, and enclose in an envelope addressed "to F. B. Meek or Prof. Joseph Henry", as I may be absent when it arrives. Prof. Henry and all here, as well as Prof. Dana and all my friends at New Haven, will do all they can for me.

I am just completing my Report

on the fossils recently collected by Hayden's Survey in Nebraska, from the so-called Dyas of Marcou & Meek. I give full descriptions and figures of about 100 species. Not many of them are new, but a considerable number of them have never been figured before. There will be seven or eight plates, and the commissioner says they shall be engraved in the highest style of art. When this comes out, I am willing to leave the disputed point in regard to the Dyas, to be settled by Geologists.

In a short time, I expect to start to Illinois to prepare the descriptions of the fossils to be published in the third volume of that State.

Wishing you a happy new year, I remain Very truly yours

F. B. Meek

Answered –
Feb. 15. 1868

3

ETS

Chestnut St.
Jany 13th 1868

My dear Sir,

I trust that you will pardon my apparent indifference to your recent kind invitation. I did not reply to it because I was in hopes that I might be able to enjoy the privilege of being at your house to meet the friend of the Institution. I desire also to assure you that my habitual

absence from the meetings of the "Institute" is not owing to a "want of interest in or appreciating of the great value of its system of instruction. On the contrary, I feel gratified by the reflection that I had the privilege of being somewhat identified with its earliest history; & I cannot doubt that the able & devoted labors which you have given to it from the first will insure its permanency usefulness to the community.

Whenever I can honorably relieve myself from duties both onerous & absorbing to my time & strength, I shall esteem it no ordinary privilege to attend the meetings & lectures of the "Institute."

Accept my thanks for your kind invitation & believe me as ever

With great respect
Yours
B. S. Tobey

Prof. W. B. Rogers

For Mr. Tobey

LANGSTAFF & EHRENBERG
EXPÉDITEURS-TRANSITAIRES
Pour tous pays

HAVRE
47, Grand-Quai, 47

PARIS
14, Rue d'Enghien, 14

LONDRES
34, King William Street

AGENTS
DES STEAMERS
Entre le Havre et Southampton.

Pr St. Tripoli

Havre, le 31 Janvier 1868

Monsieur le Professor W. B. Rogers
Massachusetts Institute of Technology Boston

Nous avons l'honneur de vous remettre sous ce pli Connaissements aux Colis ci-après que nous avons reçus de Mess.rs J. W. Tucker & Co
et chargé à votre adresse, sur le Navire Tripoli
Capitaine

WBW 1/3 Étoile Caisses Marchrie

Nos frais et débours, suivant compte de frais ci-dessous, se montant à
F. ont été

Agréez, Monsieur, nos salutations distinguées.

Pr Langstaff & Ehrenberg
Le Sne

COMPTE DE FRAIS :

MARQUES			
	Remboursement		F.
	Fret ou lettre de voiture		»
	Droits d'entrée		»
	Permis et frais en Douane		»
	Port à bord		»
	Magasinage		»
	Assurance contre le feu		»
	Assurance maritime	F.	
	Courtage et Police	»	»
	Ports de lettres		»
	Connaissements		»
	Commission de réception et d'expédition		»
			F.

Imp. G. Cazavan et Ce.

46

4)

Stockbridge Feb 8/68

My Dear Sir

I am now engaged in giving lectures on Engineering subjects where I can obtain appreciative audiences — I had good success in one before the Franklin Institute at Philadelphia on pile foundations — It will be published in the February number of the Journal

Another in Newark on Bridging our western Rivers, and another in Chicago on the same subject

I am engaged to deliver one on foundations etc in Newark next Thursday and soon after one at Albany, of which the subject is not yet determined —

These are of course free lectures and at all of them I invite discussion

I would be happy to give one in Boston this winter, if it should be desired by any of the profession or those interested.

My object is to place in the hands of the profession the results of my varied experiences in different branches — and I find that an oral

statement seems to obtain more attention than a written and published one.

I see by the newspapers that a large Bridge is designed at Boston, where the foundations will involve unusual difficulties.

Upon this subject I feel quite at home and would be glad of an opportunity to discuss the questions involved.

In my Phila. lecture I treated of this subject at great length and demonstrated that in many cases Iron piles could be substituted for wooden ones at even less cost and give absolute security. That if the Iron is selected of proper quality it is almost wholly incorrosive even in salt water — as is abundantly shown by the Iron piles which have been in use in England for half a century and now show no signs of corrosion —

Please send me your Boston City address

Yours very truly

Wm. W. Talpin

Wm Mc Alpine

Boston Feb. 15. 1848.

To the Honble Commissioner
of Public Lands.

Dear Sir.

A sense of the great importance of the Gov^t Geol. Surveys in their scientific as well as economic bearings prompts me to ask your attention to the eminent qualifications of Mr. F. B. Meek for the directorship of one of these Surveys.

Mr. Meek's large experience as an explorer in our western geology & his unsurpassed familiarity with the

Palaeontology of North-America in general have given him the distinction of a scientific authority on many questions of American Geology, and could not fail to make his services in the capacity referd. to ~~production of much good~~ satisfactorily useful as well as honorable to the country.

Trusting that you may be inclined to avail yourself ~~of his services~~ of his services generously, in making your appointment, I remain

Prof W. B. Rogers

Dr Sir

My son has been preparing to enter the sophmore class of your school of Technology

His teacher fails him now and I am desirous of entering him in the present class if an examination should prove him to be sufficiently advanced in his studies

Will you permit him to do so? I am told they admit members to the Troy school in this manner He is 18 years of age and I am feeling anxious to have him moving along in his studies

Rep yours

W E. Sparrow

Mattapoisett Mass. Feb 16 1868

Br. W. E. Spencer
Mattapoisett.

Feb. 20

Yarmouth, Me., Feb. 15, 1868.

Dear President.

If you deem me worthy such a favor I should be very glad to receive a recommendation or certificate of commendation from you.

I am still looking for employment and, unless I find a reasonable prospect of work here, shall soon go West.

With the most pleasant recollections of you and of the Institute, I remain, sincerely,

Your obedient servant

Charles S. Irne,

Yarmouth, Me.

Answered –
Feb. 27. 1868.

(X)

5

New Haven Conn.
Feb. 20th 1888

My dear Sir,

Enclosed I send you the Examination papers of the Mining class, list of questions and the marks on the several papers.

I have endeavored to give as accurately as possible the relative merit but lest I may have failed to do so pray bear of Experience in such matters I would like that some one else should review my work.

It would seem to be fair to advance Frith; average to day 75. in view of the full

answers given to many of the questions and the certainty that he could have given satisfactory answers to the last two.–

Richards was absent the early part of the course and was probably unable from the notes of others to make himself familiar enough with the subjects of the first three questions.–

100 is taken as the highest attainable mark.–

The absolute merit of each as compared with 100 I have been less particular about as I did not know the standard of excellence in other departments.–

I trust it will prove satisfactory to you.–

Believe me
My dear Professor
Very respectfully
Yours
Alfred P. Rockwell

Prof. W. B. Rogers
Inst. of Tech.
Boston.–

6

Boston July 21/68

Prest Wm B. Rogers.

My Dear Sir.

Your favor of the 20th advising me of the decision of the Faculty in relation to my son came to hand last eve.

I have seen no report from the Sect. in relation to the standing of my son up to this time.

My son entered the Institute a year behind the studies of his class which discouraged him, and I hoped by close application he would be able to make up so as to be ready for the 2nd year, regular course:- but

I am aware he has not applied himself, but manifested indifference and accomplished but little.

He has however been led to see the folly of his course, and is inclined to apply himself to study in future. I've been to great expense and am very anxious to have my son take a 4 years course at your Institute, and though I do not wish to embarrass the Faculty, I respectfully ask permission to let my son continue his connection, in English, Grammar & drawing, and I will endeavor to have him thoroughly prepared to repeat his course and enter the first year, next Oct well prepared.

I am having him recite to Prof Osborne in Mathematics, who will assure you of my earnest desire to

Answered Feb. 24. 1858

promote the best interest of my son. If he discontinues his connection with the Institute, I fear I shall be disappointed in having him pursue a "Scientific Course."

Pardon me for troubling you with this communication, but if you will be kind enough to present my earnest desire to the Faculty, to have my request granted I will be under very great obligation, and can with confidence assure you, they will have no cause to regret it. I am very truly your most obt.

H. L. Drucklee

7

X

1. Temple place
Boston. Feb. 23. 1868.

Dear Sir –

I have delayed writing to you concerning the continuance of your son at the Institute until I could confer with some of the faculty on the subject, as by the omission of the usual faculty meeting on Saturday I was deprived of the opportunity of bringing the case up for formal action – Such action cannot be had until next Saturday, but I think I shall be sanctioned in permitting your

[mc1 4:59]

son to continue in the
School in all the Classes of
the 1st year excepting
Chemistry & German. He
will understand & I beg you
to impress this well upon
him that this indulgence
is intended only on Condition
that he will use all
diligence in his studies

To Mr. Stearns

81

Boston Feb. 27th 68.

Mr President.

Sir.

I take this opportunity to express my shame and sorrow for what occured in the Laboratory the other day.

I in an ungarded moment was carried away by my temper for which I most sincerely beg pardon.

Hoping to still remain in the Institute I am willing to be put on trial for good behavior the rest of the term.

Yours very

Respectfully.

B. J. Prescott Jr.

X

JOINT SELECT COMMITTEE ON RETRENCHMENT.

To Mr Prof Rogers
Institute of Technology

Sir:

You will please answer, in writing, the following questions, at your earliest convenience, and return your answers (with such comments on the condition of the civil service, and the best method of making it more effectual, as you may see fit to add) to the undersigned, one of the members of said committee on the part of the House of Representatives.

Respectfully, yours,

T. A. JENCKES,
For Sub-Committee on the Civil Service.

Sir,

This circular is sent to you solely for the purpose of securing to the Committee the benefit of your opinion on the Civil Service Reform & of such suggestions as you may be pleased to offer in your personal capacity or from your connection with the Eminent Institute of Technology.

Respectfully Yours
Thos A Jenckes

Postmark Patent 2. 68.

CONCURRENT RESOLUTION OF THE TWO HOUSES, PASSED BY THE THIRTY-NINTH CONGRESS, IN JULY, 1866.

WHEREAS the financial condition of the United States demands the exercise of a rigid economy in all departments of the government, in order to sustain the credit of the nation and to relieve the people at the earliest possible day from the burden of excessive taxation; and whereas there is reason to believe that in many departments of the service abuses have for a long time existed, and still exist, in the perpetuation of useless offices and sinecures, in extravagant salaries and allowances, and in other unnecessary and wasteful expenditures: Therefore—

Resolved by the Senate and House of Representatives, That a joint select committee be appointed, to consist of three members of the Senate and five members of the House, to be styled "the Joint Select Committee on Retrenchment;" that said committee be instructed to inquire into the expenditures in all the branches of the service of the United States, and to report whether any, and what, offices ought to be abolished; whether any, and what, salaries or allowances ought to be reduced; what are the methods of procuring accountability in public officers or agents in the care and disbursement of public moneys; whether moneys have been paid out illegally; whether any officers or agents or other persons have been or are employed in the service without authority of law, or unnecessarily; and generally how, and to what extent, the expenses of the service of the country may and ought to be curtailed. *And also to consider the expediency of so amending the laws under which appointments to the public service are now made as to provide for the selection of subordinate officers after due examination by proper boards; their continuance in office during specified terms, unless dismissed upon charges preferred and sustained before tribunals designated for that purpose; and for withdrawing the public service from being used as an instrument of political or party patronage;* and inquire into the accounts and statements in reference to the government debt, and the management thereof, and the mode of depositing and keeping of the public money, and all accounts relating thereto. That said committee be authorized to sit during the recess of Congress, to send for persons and papers, and to report by bill or otherwise; and that said committee may appoint a clerk for the term of six months, and no more.

CONCURRENT RESOLUTION OF THE FORTIETH CONGRESS, MARCH, 1867.

Resolved by the Senate and House of Representatives, That the Joint Select Committee on Retrenchment, raised by a concurrent resolution of the two Houses at the first session of the Thirty-ninth Congress, be, and the same is hereby, revived and continued for and during the Fortieth Congress, with all and the same powers and duties appertaining thereto in said Thirty-ninth Congress, and with power to appoint a clerk, and with power in its members to administer oaths; and that any vacancies in said committee be filled by the presiding officer of each House, respectively.

By a resolution adopted July 19, 1867, one Senator and two Representatives were added to the committee, which consists of—

Senators.	*Representatives.*	
EDMUNDS,	VAN WYCK,	JENCKES,
WILLIAMS,	RANDALL,	BENJAMIN,
PATTERSON, of N. H.,	WELKER,	BENTON.
BUCKALEW.	HALSEY,	

At a meeting of the Joint Select Committee on Retrenchment, held in the City of Washington, July 20, 1867, it was, on motion,

Ordered, That so much of the inquiries referred to this committee as relates to the mode of appointments to the public service and the abolition of useless offices be committed to a sub-committee consisting of Senator Williams, Representative Jenckes, and Senator Patterson.

The Committee would like to have your views on the subjects embraced within the scope of the following interrogatories

QUESTIONS.

1. Are you in the civil service of the United States, and if so, in what official capacity?
2. When did you enter upon the duties of your office?
3. State whether you have served in any other office or offices, and what offices, and during what period or periods of time?
4. What was your employment before your appointment to your present office, and before entering the service of the United States?
5. Have you received a collegiate education, and if so, state where and when; and if not, state where and how you received your education?
6. Previous to entering the civil service, were you examined with regard to your qualifications for the place to which you were appointed; if so, state when, where, and by whom; relate the full particulars of such examination?
7. What evidence of your qualifications was submitted to the appointing power other than such examination?
8. By whom was your appointment made, and by whom were you recommended for the office you now hold?
9. State the annual income of your present office, and whether it is a larger or less sum than your income previous to your appointment?
10. Had you ever pursued any course of study with a view of fitting yourself for the duties of the office you now hold, or of any office you have held under the Government of the United States; if so, state where, when, and with whom?
11. Is there any printed book or manual which sets forth the duties of your office; if so, name it, and refer to the portions of it relating to such duties?
12. To whom do you make report concerning the performance of the duties of your office, and at what times, and what is the nature of the reports? Describe particularly the character of such reports, and if the last which you have made is in print, annex a copy, and if not, state where it can be found?
13. How many hours in each day, on an average, are you actually employed in the service of the Government, and what are your office hours?
14. What number of persons are under your official control; into how many classes are they divided, and what is the number of each class; and how many are employed permanently, and how many temporarily?
15. State the character of the employment of each class, and how many hours each day they are employed?
16. State the number of applications for employment in subordinate offices you have received since you have been in office, and what number of these have been successful, and how many have been rejected?
17. Have those who have received appointments under you given evidence of their fitness for such employment by any test examination; if so, state the number of those who have been examined, the offices to which they have been appointed; and state by whom such examination was conducted, what subjects it embraced, and what standard, if any, was adopted as the test of fitness for the employment to which the appointment was made?
18. State whether any persons have been appointed to the subordinate offices under you without examination; and if so, how many, and to what offices, and whether they are still in the service, and upon what recommendation or supposed qualification such appointments were made?
19. State the previous occupation of your subordinates, and whether any of them pursued any course of study before appointment with the special view of qualifying them for the service, or whether they were taken indiscriminately from the various employments of civil life?
20. How many among your subordinates have been appointed for merit and qualification alone, without political or personal influence, and without regard to political or personal considerations?
21. What is the usual mode of application; how supported, and how urged?
22. Are the recommendations of the personal and political friends of the applicant preserved and placed on file?
23. State how many of your subordinates have served in the Union armies; how many have been connected with the press in any capacity; and whether there are not different grades of efficiency among them in the same class?

24. State how many have been appointed within two years; how many more than two years and within four years; how many more than four years and within six years; how many more than six years and within ten years; how many more than ten years and within fifteen years; and how many above fifteen years?

25. State how many are under twenty-five years of age; how many over twenty-five and under thirty; how many over thirty and under forty; how many over forty and under fifty; how many over fifty and under sixty; how many over sixty?

26. State what number have been removed since you have been in office, and what portion of these removals have been for political considerations?

27. State whether there is any system of promotion among your subordinates, and if so, what it is based upon; what are its rules; how are they applied; and who has the final decision upon any question of promotion?

28. State whether there is among your subordinates, or in your department, any rule constantly acted upon by which merit shall be advanced, and which will insure a career in your particular branch of service to any deserving person who enters the lowest grade?

29. State whether you have not known meritorious persons to be discharged, and their places to be filled by others not before in the service, who have been backed by political influence?

30. Have you not known such new recruits to be placed over the heads of meritorious persons already in the service?

31. Between what ages do you find your subordinates most diligent and efficient?

32. What classes of appointees do you find the least diligent and efficient?

33. Suppose all new appointments were to be made in the lowest grade only, and out of candidates who shall give evidence of their fitness for appointment by passing a rigid test examination conducted by competent persons, and that no promotions should be made to a higher grade unless the candidates for promotion should pass a similar test examination for such higher grade, would not the efficiency of the service be thereby increased?

34. Could not an equal amount of work be accomplished under such a system by a less number of persons than are now employed?

35. If the employment was assured and certain, and promotions granted only to seniority or merit, and no discharge permitted except for cause, could not a higher grade of talent and a better quality of persons be induced to enter the government service?

36. Are there any females among your subordinates? If so, state what proportion their compensation bears to that of males for the same service, whether they compare favorably or not with males for diligence, attention, and efficiency, and whether the general efficiency of the class would not be improved by a system of appointment for competency alone, and promotion from merit or seniority, or retention in office during good behavior?

37. State any matters which in your judgment would tend to make the civil service more efficient and economical?

9/

1. Temple place
Boston March 17. 68

My Dear Prof.

I was sorry to hear from Prof. Stowe some days ago that from ill-health & other causes you would probably be disinclined to give the short course on Organic Chem., which was so very acceptable last year.

I would not urge you to undertake the task unless consistent with your health.
I can only say that your aid in this way would be highly appreciated by the faculty as well as students.

Be good enough to let me know your decision as early as convenient as in either event it will be necessary to make a change in the studies of the Chem. Class.

Believe me
Very truly yours
William B Rogers

Prof. C. W. Warren.

To Prof. Warren,

Berkeley

Brookline. 18th Mch. 1868.

Prof. Rogers

My dear Sir:-

I thank you for your very kind favor of yesterday.

I feel compelled to say, in reply, that my health is not such as to justify me in giving any encouragement of being able to give a course of lectures this spring. I regret this the more since you have given me the assurance that my lectures last year were acceptable and useful; for I have had some misgivings with regard to their usefulness. Perhaps I may have expected too much from them.

It is not so much a question with me whether I shall be able to perform during the time an amount of labor equivalent to that involved in such a course of lectures, as with regard to my ability to do this at the stated

times required without injury to myself.

As I told Prof. Storer, it may injure one more to work an hour when ill than 10 hours in health. I shall have remaining still an excess of such tasks as cannot be deferred.

I hope I may be pardoned for not communicating earlier with you on this subject. Indecision, in the hope that my health might improve, is my excuse.

Knowing that Prof. Storer was already over-tasked in consequence of the absence of Prof. Eliot, it has been with extreme reluctance that I have been forced to adopt a course that would tend to place an additional burden upon him. To avoid this I was intending this day - had I not rec.d your note - to suggest that, if agreeable to the faculty, Mr. Crafts should be solicited to give the course on Organic Chemistry, at my expense :- for I am sensible that the Institute is not in a financial condition to justify its incurring such an expenditure at this time. I shall be very glad if this arrangement can be made.

I am of the opinion that Mr. Crafts would give a course highly acceptable to the faculty & students. Of a short course that he gave in Cambridge he remarked to me that he did not succeed in making them sufficiently elementary :- that he could do better the next time. From this experience he would doubtless gain advantage in his next course.

In conclusion I assure you, sir, that it is anything but agreeable to me to occupy a position, the duties devolving upon which I am unable to perform.

Very truly yours
A. M. Warren

Prof. Wm. B. Rogers.

From Prof. Warren,

Brookline

7

North Abington Mar 19. 1868.

My Dear Sir,

I here introduce my son D. Forrest to you. I could not go to the City to day myself, but suppose it will make no difference. I feel very desirous that D. may be thoroughly educated at your School, & if the way can be open I shall be truly thankful.

Yours with much Esteem. B. Dodge
Pastor of North Cong.
Church. Abington

HAMILTON COLLEGE.

Clinton, Oneida County, N. Y.

March 21. 1868

Prof. William B. Rogers.

Cor. Sec. Am. Acad. of Arts & Sciences.

Dear Sir.

I have the pleasure of acknowledging the receipt of the "Proceedings of the American Academy of Arts and Sciences" from Feb. 13. 1866. to June 11. 1867. (pp 97 to 344.) for Hamilton College; for which please accept our thanks.

I observe one slight Error which

perhaps you will allow me to notice. In the tribute to the memory of our deceased associate on page 299 you ~~have~~ give the name of Dr. Mussey as Reuben Durand Mussey. It should be Reuben Dimond Mussey.—

With great regard, I remain Dear Sir,

Very respectfully Yours &c,

S. G. Brown,

Pres.—

10

X

3 Pembeton Square Nov. 30. '68

My Dear Mr Rogers,

A friend of mine who, partly in consequence of my recommendation, sent a son to your Institute, complains that the lessons in Chemistry are excessively long. According to his representations they are so. — Will you pardon my writing to you upon the subject, and see that the matter be put right.

Very sincerely
Yours
Geo. B. Emerson

G. B. Emerson

3.14

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

Meeting at Norwich, 1868.

March 1868

Sir

I have the honour of informing you that the next Meeting of the British Association will be held at Norwich, beginning on the 19th of August next, under the Presidency of J. D. Hooker, F.R.S. D.C.L. V.P.L.S. F.G.S. of Kew.

The fact that Norwich has never before been visited by the Association, & its peculiar Geological features, with its easy access from London, the Universities, and the Continent, are likely to combine to render the

meeting one of great interest.

I am directed by the Local Executive Committee to express a hope that you may be able to be present at the meeting, and I will endeavour to make such provision for your reception as may induce you to attend, only requesting that you will inform me at an early period whether it is your intention to be present. As soon as I hear from you, I will again communicate with you as to the means of transit whether from London, or from Harwich direct from the Continent, and also as to the private hospitality or lodgings provided for you

Should you be desirous of communicating any paper, you will be pleased to inform me of it at your early convenience.

I am, Dear Sir
Your faithful Servant
J Crompton
Local Secretary,

Prof W B Rogers

From J. Courtenay
Sec. Sch. Bob.
Apod.
Meeting at Norwich

11

Mass Inst of Technology
Boston April 1 1868

Dear Mr President.

I have finished my Small Course upon the Calculus, and am happy to be able to send you the enclosed, signed by those who attended to the end & feel that they were benefitted by the Course.

After completing the Differential, we took up the elementary & more practical parts of the Integral Calculus, and dwelt especially upon the fundamental idea that it is simply the summation of a series of an infinite number of terms, & that when the law

of the sines is known, the summation can in many cases be completely effected, and in any case to any desired degree of approximation.

He then gave the class the idea of coördinates, and deduced the equations of the straight line and all the conic sections, and closed by applying the Calculus to finding tangents, normals, rectifications, Quadratures, Cubatures, &c of these curves, and the surfaces and solids generated by their revolutions

I am happy to be able to lay that our two friends of Mrs Ryan's undergo the same ordeal to the end

When the very inadequate prelimin of the class is considered, I think you will agree with me that the first should be not at any rate, a failure

Ever faithfully
O. D. Ryan

President Ryan

Jamaica Plain
April 4th 1868

Prof W. B. Rogers
Dear Sir,

As soon as I can get from the family of Dr Dana some of the items respecting his early life I will endeavor to make out a suitable obituary notice.

The amount of time that I have at my own disposal is very limited, and I have no facility of composition. You will therefore I hope have patience and allow as much time as possible.

Respectfully yours
John M. Ordway

12

MASSACHUSETTS COLLEGE OF PHARMACY
ET FAC TU
VADE SIMILITER
INS. 1823. INC. 1852.

Boston April 4th 1868.

Prof. Wm. B. Rogers
Pres. Mass. Institute of Technology.

Dear Sir

At the annual meeting of the Mass. College of Pharmacy the following vote was passed

"Voted

That the thanks of the Mass College of Pharmacy be tendered to the officers of the Mass. Institute of Technology; for their kindness in allowing us the use of their lecture room, for our course of Lectures on Chemistry"

Very respectfully yours
Geo. F. H. Markoe.
Cor. Sec. M. C. P.

April 4th 1868

14)

Boston April 11th 1868

(X)

Dear Sir

Yours of the 10th inst is rec'd & I have this morning paid $18,800 to Mr Endicott. to be devoted to the support of the Professorship of Geology. I am sorry to hear that you are unwell with hopes of your speedy recovery I am

Very truly
Wm. P. Mason

Prof W. B. Rogers
No 2 Temple Place

From Wm. P. Mason Jr.

13

Massachusetts Institute of Technology.

BOSTON, April 6 1868.

At a meeting of the Government of the Mass: Institute of Technology held April 1. 1868 the President made a formal communication to the effect that the late William Powell Mason Esq. has in his will bequeathed to the Institute a legacy of twenty thousand dollars the annual income of which was to be appropriated towards the support of such Professorship in the Institute as might be designated jointly by his Son Wm P. Mason Jr. & Prof. Wm B Rogers. He further stated that the executors Messrs. Wm P Mason Jr. Parker had recently advised of their readiness to pay over said legacy at such time as the Institute should express its readiness to receive the same. Whereupon it was

Voted. that the Govt., in behalf of the Institute, gratefully accepts the legacy of the late Mr. Mason as a generous & timely contribution to the resources of its School of Instruction as well as a gratifying token of the

Massachusetts Institute of Technology. Walter W. Colburn 5 Year

Program of the first Project in the Application of Descriptive Geometry to the Arts.

Intersection of a Surface of Revolution by a Plane.

A torus the radii of whose generating and directing circles are respectively r and R and the distances of whose centre from the planes of projection a and b, is intersected by a plane. This plane has a declivity t; its horizontal trace making an angle α with the ground line, is at a distance d from the axis of the torus. (a = distance above H.P. b = dist. in front V.P.)

The students will present,

1st A drawing containing the two projections of the intersection of the plane with the torus, with one or more tangents to the limiting curve. The section should be colored according to the conventional teint.

2nd A drawing containing the curve and its tangents in their own plane.

3rd A memoir, explaining fully the principles and processes of the solution, the method in detail for tracing upon the solid in relief the curve of intersection, for cutting the solid, and for testing the accuracy of the section. [The pattern for verification should be constructed from the 2nd drawing.] The students will use the following numerical data in alphabetical order.

R =	2·16	2·24	2·32	2·16	2·24	2·32	2·16	2·24	2·32
r =	1·12	1·20	1·28	1·28	1·20	1·12	1·20	1·12	1·20
α =	45°	46°	47°	48°	49°	45°	46°	47°	48°
t = 0·5			a = 2·00		b = 4·00				

W. Watson Prof.

"— And had sent forth a Project!" Vide Inst. Mon. Watson Pr. D.

[MCI 4:59]

Attention!

General Order No. 4.

It has been announced by the President of the Faculty that continued absence from drill is likely to lead to the expulsion of the offender.

All members of the Battalion who are habitually absent from drill will be held responsible before the President for so doing.

Captains of companies will report unnecessary absences to the commanding officer.

Per order Maj. J. A. Osgood

Wm Tryon 1st Lt. and Adj.

April 24th 1868. G.O.T.B.

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84

1. Temple place
Boston April 29. 68

Hon. Richard H Dana, Jr.

Dear Sir.

In the accompanying Catalogue & Programme of the Institute of Technology, I beg to refer you to page 27 for an enumeration of the Degrees or Diplomas established in the School & to the preceding pages for the courses of Study appropriated to each.

In the petition which

by the advice of
Judge Bigelow, Mr.
Ingersoll Bowditch &
other members of the
Soc'y of the Institute I
have drawn up & have
placed in your hands
I have omitted to
specify the Degrees
supposing this to be
unnecessary.

The examination
of our fourth year
class will begin
next Saturday & continue until
last the Middle of May.
Some time or more
of the Candidates will pass
the Ordeal & will do
credit to the Degrees
to which they aspire.

I feel it to be but
just to them & to the
thorough Course of Studies
which the Institute is
labouring to establish, that
we should have granted
us the usual formal
authority for conferring
the appropriate degrees,
with great respect — I
am dear Sir yours truly
William B Rogers.

To Rev^d. H. Dane.

Cabrol petition
for Authority to
Grant Degrees

This was enclosed in letter of W.B.R. to R. H. Dana Jr. Sept. 29, 1868.

Petition for Charter.

To the Hon'ble, Senate & Hon. of Rep.; of ~~the~~ General Court assembled.

The undersigned President of the Mass. Institute of Technology begs in behalf of said Institute to represent to your honorable body —

That the School of the Institute established in accordance with the ~~authority of incorporation~~ granted by ~~the~~ a former Legislature is now in the fourth year of its regular operation — with a staff which has ~~That the number of its pupils~~ steadily augmented since the opening of the School, & with ~~corp~~ extensive accommodations & appliances of instruction. ~~& with a~~ ~~adapted to the~~ in the various studies & exercises set forth in the Catalogue of the School as annually transmitted to the members of the ~~Legis~~ General Court.

That a number of the most advanced students in the School are now on the eve of completing the general courses of general & scientific studies

and practical exercises which are prescribed in the published programmes & Catalogues of the School as qualifying them to be ~~[illegible]~~ for the corresponding ~~[illegible]~~ degrees or diplomas ~~[illegible]~~ recommended. ~~[illegible]~~

~~[illegible]~~ Your petitioners therefore pray that you ~~[illegible]~~ ~~[illegible]~~ inasmuch as the Act of incorporation of the Institute does not formally authorize ~~[illegible]~~ the conferring of degrees, ~~[illegible]~~ you honorable body will pass an act granting authority to the Government & Faculty of the Institute to award ~~[illegible]~~ degrees or diplomas appropriate to the several courses of study set forth in ~~[illegible]~~ ~~[illegible]~~ programmes of instruction, & on such conditions ~~[illegible]~~ and according to such tests of proficiency as shall best ~~[illegible]~~ ~~[illegible]~~ the interests of sound education in the Commonwealth.

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Peabody Institute.

Baltimore May 16th 1868.

Prof. Wm. B. Rogers.

Dear Sir,

The third annual course of lectures before the Peabody Institute of this city will commence about the middle of November, and will be given on Tuesday and Thursday evenings of each week, in courses of from two to four lectures. The price paid for each lecture is $100, the lecturer to pay his own personal expenses; and an allowance of $12.50 per lecture is made for the use of diagrams, maps, &c. when employed to illustrate the subject. The Institute pays for the transportation of all apparatus needed. The lectures are to be of a popular character, and the Charter of the Institute prohibits all sectarian discussions and party politics.

Will you consent to deliver a course of four lectures on some branch of Geology? We have already had a course of lectures on the Coal Formation, and do not think it desirable to discuss that subject so soon again. Any other branch of the general subject which you may consider suitable and interesting to a mixed audience will be agreeable to us.

An early answer is desired.

Yours, respectfully,

N. H. Morison,

Provost.

164 Dumont St

May 16th 68.

My dear Sir,

I take the liberty to enclose Andy's letter to you, as it contains, very simply, the expression of his wishes.

If it is possible without impropriety, to comply with his request I hope that you will allow him to graduate with his class, & for this purpose it seems he can take a few days "leave" from the Superintendent at West Point.

If not too much trouble will you have the kindness to write a line to Andy on the subject.

Very truly Yours

L. B. Russell.

Prof. Rogers.

D. LeBaron Russell.

Answered

May 20.

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J. E. Thayer & Bro.

Boston May 18 1868

My dear

I enclose you Chk for 587.50 cts —

I am sorry that I cannot be at the meeting tomorrow, but am just starting on a journey West, to be absent some three weeks —

Yours truly

N. Thayer

Rev. Rogers

NEW YORK, May 29th, 1868.

Prof. William B. Rogers

DEAR SIR:

The lack of any means of easy intercourse and free communication, and consequently of united effort and mutual support, has been felt for some years past by men of letters, artists, and scientific men in the United States. They constantly find themselves reminded of this lack by their weakness as a class, because although a class they are not a body with a recognized organization. Scattered over a wide expanse of country, they are, from this dispersion and this want, no less morally than physically isolated. There is no authority other than the temporary and shifting, although in some respects valuable one, of public opinion, by which their claims may be passed upon,—no tribunal of their peers or of those of their own class to whose experience and judgment they would willingly defer,—no representative council, the stamp of whose approval would be acknowledged by the public as well as by themselves.

From the lack of such a centre of union, of communication and of combined action, they, and with them the cause of truth and knowledge, and the public welfare, suffer.

In the hope, therefore, of compassing these objects, we propose to establish a National Institute of Letters, Arts, and Sciences upon a plan outlined in a Constitution accompanying this Circular.

We respectfully and earnestly ask your co-operation in this undertaking, and the honor of your presence at a meeting to be held at the Mott Memorial Library, No. 58 Madison Avenue, New York, on Thursday evening, June 11th, at 8 o'clock; and also that you will be one of a few gentlemen who will unite to form the nucleus of an Academy of *the Natural Sciences.*

The favor of a reply is requested, to be addressed to DR. WM. A. HAMMOND, No. 162 West Thirty-fourth street, New York, in which it is hoped that you will signify your concurrence in the proposed Constitution, and give authority to Dr. Hammond to sign it on your behalf.

WILLIAM ADAMS,
HORATIO ALLEN,
WILLIAM H. APPLETON,
HENRY JAMES ANDERSON,
WILLIAM CULLEN BRYANT,
FREDERICK A. P. BARNARD,
HENRY BERGH,
J. CARSON BREVOORT,
WILLIAM T. BLODGETT,
HENRY WARD BEECHER,
GEORGE WILLIAM CURTIS,
FRANK P. CHURCH,
CHARLES A. DANA,
CHARLES P. DALY,
THEODORE W. DWIGHT,
JOHN C. DALTON,
MORGAN DIX,
WILLIAM E. DODGE, JR.,
CHARLES WYLLYS ELLIOTT,
DAVID DUDLEY FIELD,
AUSTIN FLINT,
AUSTIN FLINT, JR..
HAMILTON FISH,
ISAAC FERRIS,
HORACE GREELEY,
REGIS GIGNOUX,
ANDREW H. GREEN,
DANIEL HUNTINGTON,
FLETCHER HARPER,
JOHN T. HOFFMAN,
THOMAS HICKS,
WILLIAM A. HAMMOND,
JOHN JAY,
JOHN TAYLOR JOHNSTON,
CHARLES A. JOY,
CHARLES P. KIRKLAND,
LE GRAND LOCKWOOD,
A. A. LOW,
FRANCIS LIEBER,
MANTON MARBLE,
JOHN S. NEWBERRY,
FRED. LAW OLMSTED,
HORATIO POTTER,
WILLARD PARKER,
ALFRED PELL,
ALFRED C. POST,
HENRY J. RAYMOND,
LEWIS M. RUTHERFURD,
SAMUEL B. RUGGLES,
MARSHALL O. ROBERTS,
ISAAC SHERMAN,
HORATIO SOUTHGATE,
GEORGE T. STRONG,
JACKSON S. SCHULTZ,
JOHN D. SHERWOOD,
CLARENCE A. SEWARD.
SAMUEL J. TILDEN,
JOHN TORREY,
CHARLES TRACY,
WILLIAM H. VAN BUREN.
GULIAN C. VERPLANCK,
HORACE WEBSTER,
WILLIAM H. WEBB,
RICHARD GRANT WHITE.

[mc 1 4:59]

Meeting of Faculty, Jan. 1, (1868)

1. Colburn. Refer to Pres.
Recommend him to take the 3rd year next before. He cannot go on into the 4th year with any prospect of grad.? Elder has many enemies. Special.

2. Gillett — Talk to him.

3. See Pickering about Nichols & Saltmarsh. Shall they be conditioned.

4. Tebbets. What performance? Shall he be conditioned, 4th?

5. Thorndike. Not allowed to enter 4th year. Talk recommended to withdraw and be from the School.

6. Toyon not allowed to enter the 4th year as regular student. Recommended to enter the 3rd year as a regular student in the Dep. of Civ. Engineering. He ought to study up his German.

7. Whitaker to make up his German at Lowell. Teacher's Dep. Address Moody. Write to Whitaker recommending him to pass exams in Lowell on German.

8. Stevens.

9. Bates referred to Faculty.

10. Butler "

11. Lincoln Cabot. Cond. in German: spoken.

12. Chapman. ~~Cond. in German~~ Recommended to take the 1st year again.

Franc C Conditioned in Mathematics & Eng Lan

13. Childs .. ~~Cannot pass at the~~ ~~[illegible]~~
Recommended to take 1st. year —

Germ & Dr.	Des. Geom	Eng	Chem	Physics	Alg & Geom	Freg Drawing
70	40	30	75	50	57	45	29	15

Address E. Lexington. Write to Assist at Meeting. Mr. Osborne, thinks he knows Math. faculty. Ask him about his previous training.

14. A. Clark — recommended to go over the 1st. year.

15. Coolidge — to be withdrawn —

16. Fay .. Conditioned in Freyer.

17. E. C. Fisher Conditioned in Freyer —

18. Joseph S Francis recommd. to repeat the 1st. year Course.

19. French ~~recommended~~ required to take his 1st. year again. Cannot enter the 2d.

20. Gray .. Cannot enter the 2d. year, recommended to take the 1st.

21. Gibbs .. Conditioned in Des. Geom. & ~~Math~~ Chemistry

22. Herrick ... cannot go on with the regular 2d. year. recommended to take a Special Course

23. Horsman. ~~recommd~~ required — to take 1st. year again.

24. Hunt " " "

25. Johnson " " "

26. Kellogg recommended " "

27. Pike Conditioned in Chemistry.

28. Reed " "

29. Smeller recommended to go back to the 1st. or to be conditioned in his Mathematics —
Referred to President —
Assist at Meeting soon. Learn his address from Kneeland.

30. ~~Conditioned~~ W. W. Mott Conditioned in Chem. & Freyer.

31. Sprague Conditioned in German & Des. Geom.

32. W. N. Stearns — ~~Recommended~~ required to go back to the 1st. year.

33. Thatcher .. recommended to Re-enter the 1st. year.

34. Warren .. required to take 1st. y. again.

Meeting June 2 — 1868.

Sect. read a detailed report of the proceedings of Saturday May 30.

Sect. read report of June 1.

35. Bolton .. upon the ground of ill health requested 3d. year.

36. Buckingham .. Repeat the 2d. year or to take a Special Course

37. G. L. Clark .. to repeat the 2nd. year.

38. S. S. Gray Conditioned in Physics & Surveying.

39. Jos. Willard .. Conditioned in Analytic about Surveying (25) & Chemistry (36). To take some Special Course
Referred to President —

40. ✓ Bigelow ref. to Pres.t — will take Metallurgy

41. Ritchie —

German	Fr.	Eng	Ch. Geom	Mech. Dr.	Chem	Phys.	Fr. & Dr.
55	35	35 (Regular)	34	60	37	44	88

Advised to a very special course or to put him in his class. Plane Dr. 50.

42. Sanford, required to repeat 2d. year course

43. Stevens — Requests to be withdrawn.

44. Weiss ... Required to repeat the 2d. year.

45. Frank Wolcott recommended to take regular 2d. y.

46. Whiting ... Conditioned in German & Chemistry.

47. Whittlesey .. Recommended to repeat 2d. year or conditioned in German French Astronomy —

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~~C. H. Bateman~~

48. D. W. Willard – Conditioned in Chemistry

49. Wyman Adams Must May to get him some active employ.

Commencement with Colburn –

Nichols (40) – Saltmarsh who were all badly prepared at the late exam. in Physics.

(1) Mr. Child's letter by to Study up his Mathematics during the Summer to be ready next term. He is 19 years of age, & seems resolved to do his best. Is working at home on the farm.

(2) Can Mr. Colburn be admitted as a 4th year student in Architecture – receiving the previous studies as a sufficient preparation. Should he take the 3rd year again, I have agreed to abate his fee one half – on the ground by having been so very sick &c.

G. D. Colburn. C. F. Honey & Co. Summer St. 33.

(3) Mr. Stratton. Alg. Geom. } 45. Trigon. 18. Desc. Geom.

Says that there must be a mistake in Desc. Geom. acknowledges failure in Algebra & Trigon. – but will make up the conditions this Summer – To see Prof. Osborne about the Geom. &c.

20

New Haven, Conn.
June 12th 1868

My dear Sir,

You are perhaps aware that the Professorship of Mining in the Scientific School here is not endowed and that I have been holding the position without salary.

Circumstances connected with my private affairs prevent my longer working without pay and make it necessary for me now to seek some other position either in practical life or

as instructor.

Before doing so I take the liberty of asking whether, in the event of Prof. Hague's prolonged absence or permanent relinquishment of his position in the "Institute", there is any probability of my services being desired.

It is of course understood that I am not trying to deprive Prof. Hague of his professorship.—

I remain, Very truly Yours,

Alfred P. Rockwell

To/
Prof. Wm. B. Rogers
Res. Mem. Inst. of Techn.

Van Pop. Rockwell
Jan 12. 1818.

President.
W. B. ROGERS, 1 Temple Place.

Corresponding Secretary.
SAMUEL ELIOT, 30 Chestnut Street.

Recording Secretary.
F. B. SANBORN, 12 State House.

Treasurer.
JAMES J. HIGGINSON, 40 State St.

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(+)

American Social Science Association.

Boston, June 10 1868

To President W. B. Rogers,

My dear Sir, —

At the monthly meeting of directors held today, it was voted that the "Annual meeting in October next, be held in Boston, and that the President be requested to deliver the Annual address." — And I was instructed to communicate the votes to you.

I am sure I need not add, — since you will know it without my saying so, — that we were very heartily unanimous in our request of you. —

Several other arrangements in reference to the meeting were made, but this is vastly the most important one for us, & as it most personally concerns

for, I will not detain you with further particulars.

Yours very truly & ours

Abby W. May

Secy. Exec. Com.

21

Boston June 15 1868

Prof Wm B. Rogers

Dear Sir

The Medals & Diplomas awarded to Massachusetts Contributors to the Paris Exposition will be officially delivered by His Excellency on Thursday Evening next at Music Hall. This is extend to you a cordial invitation to be present & briefly address the meeting. The occasion will be pleasant one & I sincerely hope you will consent to be present.

Very truly J. M. Usher

Dear Sir

Your kind note inviting me to be present at the delivering of the Medals & Diplomas tomorrow evening in the Music Hall is just rec^d. I regret that it will not be in my power to be with you to join in the expression of satisfaction & pride with which the assembly ~~may~~ will greet and hospitably of the mechanical & industrial achievements of the Common wealth.

But I shall be present in thought & sympathy, ~~for~~

~~To Rev. Samuel Ro~~

Now who studied the exposition could fail to perceive

While as a National One ~~[illegible]~~ in the exposition was confessedly ~~very~~ very incomplete, showing in many cases little more than hints of what ~~it was to be in the future to display, there then where~~ under the circumstances it could be exhibited, it is gratifying to know that ~~the~~ ~~Mass~~ Government & the duty of the Common Department ~~heartily~~ especially to the field of Mechanics have heartily recognized the originality & productiveness of the Ideas ~~which~~ ~~embodied~~ embodied in it ~~to hold~~ in it & ~~[illegible]~~ ~~to [illegible] in view of the present occasion it is especially~~ on it is grateful ~~to~~ ~~and~~ and on this occasion we may hope

22

X

Lansing Mich
Jan 20. 1848.

My dear Sir

In consequence of my absence from Boston & some confusion in the household your letter was late in coming to hand.

What I can hear further from Prof. Agassiz there will I presume be no action taken by the Govs. of the Inst. in relation to the Dublin Museum. But I take for granted that a permanent appointment will be deemed necessary before the beginning of the next season so as to secure regular instruction in this branch thro. out the Course.

I hope soon to have
information from Prof
Hague or his friends
what he will make to
Sec. of the Int. to assign
the services to this Dept.
on a permanent basis;
& should there be an
opportunity to make
I shall give you early
notice of the vacancy.

With kind remembrances
to Mrs Rockwell & Miss
Very truly yours
William B Rogers

Prof. Alfred T. Rockwell

Hon Interior

Letter to
Prof. Rochelle
June 20. 1868

23

Boston June 27. 1868

Prof Rogers

Dear Sir

Your favor is just received, I thank you for the advice, & kind interest you take in my success –

I like our new room, but Brown has some doubt about space & were considering the matter of altering an adjoining room – We are now fully determined to do what I always intended to do, try to keep a full set; one or two of everything we make

As we were situated, our room was part packing room, part work-shop & always dirty & out of order; it must be now only a sample & show room

as packing must be done in Brookline and one mechanical work must be done there - One work shop is all that we can wish for, as now arranged

I shall be most happy to see you at 149 Tremont St.

I want your advice and I intended to write to ask you when you will be in the city some time before the Institution commences again, to talk with you about Andrew

I am troubled to have him stand so very low. I know it is difficult for him to keep up, partly from a natural timidity which may make him appear below his natural position, he is, I know, not a student - and does not acquire easily. It was so with Tom in his school days, but he made up for it, by application & private study. - As Andrew has decided taste for mechanical work, I have doubt whether he had better go into any work shop (as I look forward to his joining his brothers in any business) or to go on in the Institute; and I shall see you and get your advice before deciding on his future course. I shall be very glad to see you next week, if you know the day previously, it will be most ~~ally~~ if you will drop me a line, that I may be sure to be in town I intend to be here every morning - generally all day, but for a while may occasionally be in Brookline & Thomas here

Very truly yours

E. S. Robbins

Jno. E. S. Ritchie.

24/

Commonwealth of Massachusetts.

Executive Department,

Boston, June 29 1868

My dear Sir,

I have the honor to acknowledge the receipt of your favor of the 25th instant. I will place your letter in the hands of Maj Moriarty, the Sergeant-at-Arms, and will request him to attend upon you and your friends on

Tuesday July 7th, the day indicated in your letter. It is quite likely that I may be present at that time myself also.

I am, with great respect and esteem,

Yours very truly,

Alex. H. Bullock

Prof. Rogers.

From Gov. A. H. Bullock.

[1867-68]

Mass: Institute of Technology.

The annual examination of the Students, ~~upon~~ which has begun with some of the Classes early in May, terminated on the 30th of the Month, and the Institution is now closed for the vacation. It appears that though the examinations were regarded by the Students in general acquitted themselves satisfactorily.

This session will be memorable as the first in which examinations for Degrees were held. Fourteen of the Students, most of whom joined the School on its first Opening, have passed the long ordeal of their graduating examinations with success. They are expected each to furnish during the Summer a thesis to be approved by the faculty, and are to receive their Degrees in due form at or near the Opening of the next Session.

Their names and the Departments in which they have passed their examinations are as follows.

Notice of the
funeral of Grad^t. Exer.
of 1867. 8.