8- Papers, July - Sept. 1865

Luzerne
July 1. 1865.

My dear Sir.

Your kind note of the 23rd ult. found me in my Country home a few days since.

It will give me pleasure to comply with the invitation of the State teachers' Convention tendered by you, if you think I can meet

the occasion without the labourious preparing a written discourse.

We shall be opening our Institute School about the same time, as I hope in the new building, & I shall of course be much occupied, but I am very desirous of profiting by the instructive meetings of your association & of becoming personally acquainted with its members.

Hoping to see you in the course of the week I remain &c

W. B. Rogers

J. D. Philbrick Esq

To.

J. D. Philbrick

July 1. 1865.

Accepting invitation.

28

Lowell Mass.
July 4. 1865.

To Hon. Sam. Cooper W. C.

My dear Sir.

We are preparing to open the Lowell School of the Institute in our new building next Autumn, and as you were pleased some time ago to express a favorable purpose in regard to the Department of "Geology & Mining" embraced in our plan, I take the liberty of addressing you on the subject.

The Institute as you probably know includes in its ~~plan~~ scope a "Society of Arts" a "School of Industrial Science" or Polytechnic School & a "Museum of practical Arts".

The first of these Depart.ts which was set on foot three years ago has had great

success & is now firmly established.

The School of Industrial Science was initiated last winter by a preliminary course which has just closed, and which has served the double purpose of testing our methods and of preparing a number of pupils for the regular course of the school to be set in operation next October.

Of the success of this Department we have the assurance which is inspired by the results of our preliminary trial, by the fact that many other students are preparing to enter the school in the autumn & by the further evidences we receive of a wide spread interest in the plan & objects, & in the early establishment of our School.

Some of the students of our preliminary course have pursue the studies suited to the profession of the Mining Engineer & practical Geologists, others will aim to prepare themselves for the several vocations of the Civil Engineer, Mechanical Engineer - Architect & practical Chemist. We are expecting pupils in all these departments or in the studies preparatory to these, at the opening of our regular courses next October, and it will be our aim to provide the apparatus & Laboratories as well as the teachers necessary for solid instruction in these all.

So comprehensive a plan will of course demand large resources. In lieu of the satisfactory provision at Harv. and in lieu of the [illegible] results to make a beginning as fast as students offer. But in the School of Mining Engineering ~~which I suppose might be a leading~~ & Geology we have been hoping that perhaps your liberality might at once supply an adequate foundation.

Should your views in relation to the Institute continue to be as favorable as formerly, and should you desire any further information of our plans & purposes, it will give me the greatest pleasure to communicate with you in person or by letter.

I remain with great respect

Yours very truly

William B Rogers

as a matter of econ: with Dr & I feel the success of the dept. I shall personally take charge of part of the instruction in our school of Mines until this period shall.

31

From the Secretary of the Institute

Boston July 5th 1865

Prof. Wm. B. Rogers.
(Lunenburg, Mass.)

My dear Sir.

Your favor of the 1st. inst. did not, as you anticipated it would, reach me on Monday morning, but for some reason by me inexplicable, remained afloat, or more probably snugly moored in some unknown haven, until to day, when in company with yours of the 4th. it reached its destined port.

I notified a Building Committee meeting for 12 M. this day as agreed upon. Mr. Rolf made his appearance, and after he left, Mr. Davies called. I told them there was nothing of special moment requiring the Committee's action at this time, and that I was glad you remained away, as it would be for your benefit, and consequently for the eventual advantage of the Institute.

Indeed I trust you will soon abandon the idea of making regular weekly visits to the City during the hot term.

I succeeded in obtaining a meeting of the Finance Committee on Thursday; the first that has been held since December last. There were present Messrs. Beebe, Bowditch, & Endicott. Mr. Bowditch would not consent to serve as Chairman; and Mr. Beebe was chosen. Mr. Rogs was in attendance. I called attention to the Bonds, & whilst the matter was under consideration, Mr. Bonvé called with a Letter to Mr Rogs, which was read to the Committee. In it he expressed an earnest desire to be qualified as an Executor, and stated his willingness, in case of success upon his part, and the want of it upon Dr. Wyman's, to share with the Dr. whatever should be received for services rendered. — Mr. B. also remarked, that he thought there would be no need of further action on the part of friends as he had suggested an arrangement to Messrs. Wheeler, Beal, & Finch (who have qualified themselves) to do the whole business, & pay a certain portion to the other executors. The consequence of this statement was that the Committee became disinclined to take, or did not see the necessity of taking any action. My own opinion (which may be of little worth) still is that we should make an effort in Dr. M. Wyman's behalf, believing that he exercised a good influence upon Dr. Walker, and that Dr. Walker intended to benefit him, by designating him as an Executor. — I stated that I had but little doubt of my ability to obtain R. I. bonds men; but, as above stated, the matter was dropped.

Mr. Rogs called the Committee's attention to the necessity of providing means for the completion of our Building, & stated Mr. Huntington's willingness to loan the Institute $30.000 at 6 per ct. per annum, it being understood that the Principal would become ours at Mr. H's death. As has occurred to some of us before, it was suggested there was no certainty of this amount coming eventually into our possession, as the Will might be revoked, or other circumstances prevent. It was finally decided, at the intimation of Mr. Bowditch, that the only satisfactory & sure course for the Institute would be this: viz. for Mr. Huntington to pay the money into the Treasury, and in consideration thereof, that an annuity of $1800 be paid him. Mr. Bowditch

was authorised to arrange the preliminaries with Mr. Fuxbury, and the Contract will shortly be ready for the signatures of the Prest. & Treas'r.

Mr. Ruggles has gone to his Summer retreat, & did not intend to be here at this day's meeting. I expect him down in the course of the present or ensuing week. He left a message respecting the Hall-seating, which it is unnecessary to send herewith, but shall be duly delivered on your arrival.

I have communicated your wishes to Stover, and will do the same to Watson — the Dr. I mean.

As regards the Scrip fund we shall never realise our early anticipations, unless we take the business in hand ourselves; & maybeap it is too late for this.

I have not been able to see Mr. Shedd since the reception of your Letter, but on learning what progress he has made, will advise you, if necessary. I understood him to say, when last at the Office, that he had seen the Drawings.

With one day's exception, the temperature here has been thus far quite tolerable, & ~~wh~~ we have enjoyed the luxury of cool nights

I heard the Rev. J. M. Manning's Oration on the 4th. it was excellent. I spent the day solitary & alone at the Office; and the evening peacefully & quietly at home.

With best regards to Mrs. Rogers & Judge Savage, & kind remembrance to Mr. Runkle, I remain truly yours, Thomas H. Webb

Lunenburg Mass:
July 6. 1865.

(1)

My dear Sir.

I send you a statement of your son's standing at the June exam.n of the Institute. This would have been communicated earlier but for a mistaken impression that I had mentioned the results to your son in person the week after the exam.n.

In Physics	III.rd	Division
Chemistry	IV.th	"
Geometry	II	"
Trigonometry	IV	"
Algebra	IV	"
French	II	"

He has probably informed you of his standing at the two preceding exam.ns. The final exam.n was

comprehension of the whole course & therefore ~~[illegible]~~ sooner tired than the others.

In Chemistry & Physics your son has found less difficulty than in his mathematical studies. Should you desire his continuance in the Institute as a regular student - he ought to enter the 1st. year course in mathematics -

His attention to his duties & his amiable deportment have ~~[illegible]~~ the regard of all his teachers -, and

To E. P. Cutler Jr.,
Charlestown Mass
July 6.
Final Exam.

32

Boston July 8th 1865

Prof Wm B. Rogers

My Dear Sir

You have not made a visit to the city as we expected this week, and I am glad for your sake that you did not come as you need repose, and so far as I am informed there has been no need of your presence so far as the Institute is concerned. Mr Fuxburg has made out some documents connected with Mr Huntingtons gift to the Institute which Mr Bowditch of the Finance Committee says are satisfactory. Your signature as President is needed to make them complete, this you can attend to next time you come to the city, I have in my hands $15,000 to pay over to the Treasurer as soon as the papers are signed and $15,000 more as soon as it will be wanted to pay bills

There are four or five gentlemen desirous of going to N. Conway to visit that Tin mine, if you will go with us and give us the benefit of your observations, you will I think have a pleasant trip in about say 5 days or more if necessary, and if the mine is valuable I have a scheme in my head to make some money out of it for the benefit of our School of mines

You go as the guest of the company and of course will have no expenses Mrs. Rogers is invited also, if she will do us the favour to be one of the party we will give you as much time to ramble over the White Mountains as you choose to take after we have examined the mine, my wife will not be able to go with me but I shall take Waldo

Yours Truly

Wm. D. Ross

Please let me know as soon as convenient how you will arrange about going to Conway as my wife wants to arrange to have a friend with her during my absence

Mr. Jas. Lawrence
Lawrence
Mass.

Mr. Jas. Lawrence
Lawrence
Mass.

Mr. Jas. Lawrence
Lawrence
Mass.

Mr. Jas. Lawrence
Lawrence
Mass.

Mr. Jas. Lawrence
Lawrence
Mass.

Mr. Jas. Lawrence
Lawrence
Mass.

(X)

Templeton Mass. Jul. 8, 1865

Prof. Rogers.

Dear Sir,

Last Spring I addressed you, asking information concerning the School of Industrial Science. I received in reply your letter with the "Scope and Plan". As it is not convenient for me to visit Boston at present I have taken the liberty of addressing you again on the subject.

Will you be kind enough to inform me in what branches students will be examined for admission to the school and when the first term will commence

I would like to know if the School offers advantages as good as or better than those of any other Scientific School in the Country.
I would thank you for any other information you may be pleased to add.

Yours Respectfully.

Edmund J. Hudson

Templeton Mass.

from
Edward J. Hudson
Templeton Mass.
July. 11. 65

Lansingburg
July 9. 1845

My dear Dr.

I write a hurried line to say that I shall be in Boston on Tuesday morning — in time for the Sunday Cars: & that I shall probably return in the City Central Wednesday afternoon — in order to do up Sunday items of Institute business & other matters.

Mr. Rankin tells us does not be at probably adjourn until next day.

Yours very truly

William B Rogers.

Thanks for your very satisfactory letter. Kind regards to Mrs Rog.; Rugg & co.

Prof. W. B. Rogers.
Lunenburg, Mass.
Dated July 9/'65.
Rec'd " 10 "

Charlestown July 11. 1865.

Prof. Wm. B. Rogers

Dear sir

Will you please explain to me the reason of something which occurs in every day life, viz the contraction of a rope when left out in the rain. and you will oblige your pupil.

With respect

Albert F. Hall.

Care Gustavus V. Hall.

101 State Street

Boston.

Yours
A. F. Hall
Student,

Wishes best wishes
July 11. 65.

Lexington Mass.
July 13. 1865.

Edward J. Hudson Esq.

Dear Sir.

I am happy to reply to your acceptable letter of the 8th inst. forwarded to me from Boston, but must refer you for most of the particulars regarding the opening of the School to a printed Circular now in course of preparation & of which I shall not fail to send you a copy as soon as it has been matured & published.

Meanwhile I can say that the classes will be opened early in October, &

that we expect our noble new building to be sufficiently advanced to receive them at that time.

For entering the 1st year's Course of the regular studies the student will be expected to have a good acquaintance with the branches usually taught in our English Schools, including facility with the leading rules & operations of Arithmetic & a ready use of the pen. The Best Borderers have some knowledge of Algebra & Geometry, the latter of which will be taught in the Academy. As soon as we shall have a lower & an upper division in the 1st. year's class. Students who are not at first fully qualified to enter usefully the 1st. upper division will have an opportunity of preparing themselves for it in the lower division, for which they will be admitted, & what in higher preparation qualification will be expected, we may then offer as lower rates.

By this, for what plastic arrangement at the beginn.g the student be able to ~~see the~~ prosecute the proper Studies without ~~perfectly~~ ~~with too be so~~ ~~sufficient~~ ~~proper~~ in some ~~subjects & yet~~ can yet to be taught without from the School — which is the chief by the prof. was the, the Subjects of proper for the Courses.

The prelim. arrangements of the College seem to have had great success, many of the pupils will be in a condition to enter the 2nd year's course next Autumn & the rest will be

respectfully to the higher division of the 1st Corps.

Thus the purpose of the Act is to offer the means of a thorough & complete education in the higher branches, and I am persuaded that in the method of instruction & the facilities for study & practice it will be fruitful with <u>programs</u> comprehensive practical programs which others set forth.

Yr. ever & ever
Stephen
Mary
July 13. 65.

Lunenburg, Mass. July 13th, 1865.

My dear young Friend:

Your note of the 11th came to hand yesterday as I was preparing to leave the City . I commend your desire to understand the causes of things as well as to know the facts themselves and shall always be happy to help you in such enquiries when I can .

If a rope consisted simply of a bundle of straight parallel fibres, the entrance of water between them would simply force them farther apart and thus swell the rope, and as the wetting of a rope does not necessarily change its length, the bundle would be unaccompanied either by a lengthening or a shortening of the rope .

But in the rope as actually constructed, the component fibres and strands are all spirals . The water entering between these spirals swells or thickens the rope and in doing this must of course enlarge the diameter of each spiral turn . To understand the effect of this in the length of the rope, let A B represent a single spiral fibre or strand of ten turns, and having a length from A to B of 10 inches, while the actual length , following the winds of the fibre is much greater. If now the horizontal breadth of the spiral be increased in each of its turns while the number of its turns remains the same, the turns themselves must become closer together -- and then the 10 turns will occupy a less length rhan A B or 10 inches . In the same way, the spiral turns of the fibres or strands of a rope must come closer together in consequence of the enlarged breadth due

to the entrance of the water between the fibres, and hence the wetting of a twisted cord or rope must make it shorter . The shortened and widened spiral will then be as represented in C D .

33

Heating & Ventilation.

X

Boston July 13 1865

Prof. Wm. B. Rogers
Lunenburg, Mass.

Dear Sir;

It seems to me proper, and no less than just to Mr. Preston, that the committee on Warming and Ventilation should ask of him a statement of what he intended to do in the way of securing warmth and fresh air to the occupants of the Institute building. This would enable him to put himself right before the government, if his plans are of value; and on the other hand if a description of all his plans for this purpose were safely on record, the committee might be free from much future annoyance and trouble when their

plans come to be discussed — I should feel at greater liberty in making up a statement of what seems necessary to be done, and we should not be in danger of inferring from the plans and building, one thing, while Mr. Preston could say that he meant another. If such a request on the part of our committee seems to you proper, I should be glad if you would make it, and perhaps Mr. Preston's answer could be made before we meet on Tuesday next —

Yours, Very respectfully,
J. Herbert Shedd.

Jno. W. Steed

a Gentleman of
Bost.

34)

Lansing Mich.
July 14. 1875

My dear Sir.

In order to have the subject fully before the Com: on Warming & Ventil.[n], appointed by the Govt., I request you a statement of the ideas & plans which you proposed to adopt for securing warmth & fresh air to the occupants of the Govt. building.

It is ~~the~~ wishing to make the fullest inquiry of the subject ~~the importance of the~~ questions involved, ~~& the~~ ~~the fullest & fairest investigation is desirable~~,

with all the due
and ~~your spirit~~ weight
to practical suggestions
~~such a~~ coming from any
quarter & especially from me
of the Board by extent
your Architect.

I do not know to what
extent you have matured any
plan for warming & ventilating
but I have rec^d the impression
that you had formed some sort
of scheme for effecting these
objects, though perhaps without
working out the details —

Please at your earliest
convenience furnish the Com^n.
a description of the arrange^t
general & specific which
you proposed to adopt, for
the double purpose
herein refer^d to.

I shall be in Boston
next day & perhaps by that time
or soon after you may be
able to furnish this and to the
engineers of the Board.

I remain yours very respectfully

W. B. R.

To Joseph Porter

July 14th 1865:

about his plans
for watering streets.

29

Boston July 15th 1865

My dear Sir,

Yours of the 5th inst was duly received. In reply I wish to say that you have been misinformed in regard to my having expressed a purpose to give to the Institute of Technology the funds necessary for the establishment of a mining school.

For some time I have entertained the idea of contributing a sum of money to lay the foundation, at least, of such a School in Massachusetts; and have been endeavoring in my own way to obtain information to determine my own mind as to the best practical mode of carrying into effect that idea. I have heard and considered what some friends of the Institute of Technology had to say in favor of connecting what I might do with that

Institution; and I have also considered the advantages of connecting it with the University of Cambridge.

I had made up my mind that I should prefer Professor J. D. Whitney to carry out my idea, if he would undertake it, and accordingly proposed to him to take the charge of it.

Yesterday I received a note from Prof: Whitney stating that he had been informed that he was considered an obstacle to my giving to the Institute of Technology the funds necessary for the establishment of a mining School; and that he was unwilling to have it supposed he had turned money from that Institution which its managers considered as properly or legitimately destined for them.

Mr Whitney does not state to me who gave him this information, but I consider that it was unwarranted; and I hope the foregoing statement will satisfy you that it was unjust towards Professor Whitney as well as towards me.

I fear the great under of our mutual friend, Mr J. D. Ross, for the success of the Institute of Technology may have caused this misunderstanding.

Very respectfully Yours,

A. A. Hooper

Prof: Wm B. Rogers
Lenox
Mass.

From Hub. S. Hooper,
July, 17. 1845.

Date wanted 15.

30

Lenox Berg
July 17. 1865.

My dear Sir.

Your letter of the 15th inst. in reply to the note which I had the honor to address you on the 8th inst. is just rec^d. I hasten to inform you that I have at no time had any communn. with Prof. Whitney in reference to the Inst. of Technology & its proposed Department of Geology & Mining.

Some days ago, one of the members of the Inst. a personal friend of Prof. W.

proposed writing to that Gentleman on the subject of a School of Mines, but of the form & substance of this communication I know nothing further than that I understood it to be intended merely as a letter of friendly enquiry & conference.

I regret that I should have been misinformed as to your views ~~& purposes~~ respecting the Institute. But I beg you to be assured that it was not until after repeated statements, the results as I was informed of several conversations with you on the subject, that I yielded to what now proves to have been so grave a misapprehension of your predilections & purposes.

Believe me
Yours truly
William B Rogers

Hon. Saml. Hooper.

To Robert S. Hooper
July 17. 1865

26

Wm B. Rogers Esq. Lawrence 18 July 1865

Dear Sir.

I received from you some time since a prompt reply to some enquiries made by letter respecting the School of Industrial Science, - also the pamphlet sent - It was my purpose to have seen you during the month of June, - but failed -

I wish to learn if your pupils assemble in any building for study, - and if you have fixed hours therefor, or are they simply required to be present at certain times for lectures and recitation, or examination -

I wish my son to secure the best possible practical education which shall fit him for charge of manufactures, or general business, -

It is possible that you may still be within my reach for consultation, If so I will try earnestly to meet any appointment you may make. Yours &c

Wm C. Chapin

From W. C. Chapin

July 18. 65.

Answered in
Aug.

590

Hon James Savage

My Dear Sir

I should have replied to your very kind & encouraging note much sooner — were it not that I could not obtain a copy of the report upon the memorial — which I wished to send with my answer. —

I send one by this post. —

I am very deeply interested in the design of a Historic Hall — to contain memorials of all who have nobly served or nobly died when the Commonwealth shined

treasure is ever sacred remembrance
and to me it is infinitely
more touching & beautiful & will
be of far more perpetuity — to
embrace them in the great Hall
of the College — where the
alumni will meet together
once a year every year — than
to erect any mere monumental
grave stone.

If you concur, may
I ask your personal influence.
It might be of no little
influence if I could be autho-
rized to say that you & Father
who has given so noble a

tone to Hartley will stand for the good cause
of the Memorial Hall &c.

I am dear Dr., with high
regard respectfully yours

Charles Sumner

57 Court St.
Boston. 1865

35)

Charlottesville (X)
July 23rd 1865

My dear Dr.

I am a candidate for the vacant Chair of Mathematics in the University of Virginia. On a previous occasion you were kind enough to write a letter to the Board of Visitors for me. The march of hostile troops has destroyed for me I fear all traces of such letters both from the University & from Germany. I must beg you therefore to write again for me

to the Rector & Board of Visitors of the University of Virginia & send it under cover to Jas C. Southall Esqr Charlottesville Virginia - Up to the Commencement of the last I devoted unremittingly to my position in the Chair of Mathematics & Astronomy having labored eight or nine years in Va & three in So Ca - It is hoped that the University may be successfully reinaugurated & I desire to devote the rest of my days within her walls

to the Rector & Board of Visitors of the University of Virginia & send it under cover to Jas C. Southall Esqr Charlottesville Virginia - Up to the Commencement of the last I devoted unremittingly to my position in the Chair of Mathematics & Astronomy having labored eight or nine years in Va & three in So Ca - It is hoped that the University may be successfully reinaugurated & I desire to devote the rest of my days within her walls

Dr Mr B Rogers

P.S. The election takes place on Aug 16th & an early answer will much oblige yours &c

Yours Obedt Servt
Chas S Wraith

Hon Prof. Venable
Ir " "

27

Paris July 31st 1865.

Prof. Wm B. Rogers

My Dear Sir,

Your letter of July 17th reached me yesterday morning. Though I fully appreciate the truth of your remark that no written statement of the position and prospects of the Institute can be perfectly adequate and satisfactory, I am nevertheless very much obliged to you for the full and detailed information which you have so kindly given me. By your own letters, the letters of Mr Storer, and two or three notes from other kind friends, I have been put in possession of all the information I need for an intelligent decision of the question you asked me in your letter of June 6th.

I have the honor to accept the proposal made in that letter. If the Government

the Institute should ratify the proposition you then made to me, it will be my desire and aim to carry out to the best of my ability your own views and those of the Faculty in regard to the organisation and development of the School.

And now, My Dear Sir, let me say that I look forward with great pleasure to coming home to a definite and useful occupation in my own profession, and that I am very sincerely obliged to you for the opportunity thus afforded me – an opportunity all the more satisfactory because I feel very sure that the Institution which is growing up under your guidance will achieve a prompt success and become an honor to the State & the City.

Will you please give my cordial regards to Prof. Rankle, who, I believe, is spending the summer in your vicinity.

We are just going to England & Scotland for a few weeks before sailing for home on the 2nd of September, & we shall try to

The Institute should satisfy the prospectus you then made to me, it will be only doing and aim it carry out to the best of my ability your own views and there the duty in the organization and development of the school.

But now, My dear Sir, let me say that I look forward with great pleasure to coming home to a definite and useful occupation in your profession, and that I am so much obliged to you for the opportunity you offer me — an opportunity all the more satisfactory because I feel very sure that the institution which is growing up under your guidance will achieve a marked success and deserve our honor to the whole Nile City.

Will you please give my cordial regards to Mr. Hawkes, who, I believe, is expecting the summer in your vicinity.

We are just coming to England to stay a few weeks before sailing for home on the 4th of September, have arrangements to

Dr. Dwight Chas
Esq
Rec'd Oct. 17 1870

August 1865, Sunny Hill .

My dear Henry :

* * * * * * *

We will receive from Dr. Walker's legacy in the course of a few weeks the chief part of his generous bequest amounting to some 160 or 170 thousand dollars, the chief part of which I most earnestly hope may be set aside for the use of the school.

We have been hoping for a large contribution from Mr. Hooper (entre nous) for the department of mining and geology . But he has chosen Whitney for his guide in the matter and I presume the fund will be appropriated to a school of mining under W's care in connection with Cambridge .

The Alumni of Harvard are moving in a really noble scheme-- that of building a Memorial Hall which shall at once be a monument to the young heroes among her students who have fallen in the war-- and a means of accomodating the College and Alumni on great public occasions . There will be a great meeting at the College on Friday to commemorate these brave young men.

36

Boston Aug. 2. 1875.

My dear Prof.

Inquiry has been made here as to the qualifications of Mr. Hague now at Lake Superior, as a ~~[illegible]~~ teacher of Mining Engineering.

Can you give me your impression in regard to his acquirements & experience in this & kindred subjects.

Nothing may come of this inquiry & but the

present at least I
wish to have nothing
said on the subject

Yours truly.
W. B. Rogers.

What is certainly <u>crushing</u>!
but your opinion
would be of great weight
with me as I know
personally no acquaintance
with the gentleman.

W. B. R.

To Prof. Bowen

from Prof. Brush.

legendy Hague

37)

Sheffield Scientific School of Yale College,
New Haven, Connecticut, Aug 10th 1865

My dear Professor,

Your favor came a few days since. I am glad to know that the Technologic Institute is prospering so well. Hague is a very superior man and my advice would be to secure him if possible. Few men in the country are equal to him in ability and ~~very few~~ fewer still have had his opportunities for theoretical training and practical experience in mining.

You say you have never met him, I am sorry you have ~~you~~ not as I am sure you would have been pleasantly impressed by his exceedingly dignified and courteous manners — He is a man of good judgement and great perseverance. I question very much whether you can induce him to leave his present situation as I know it will be next to impossible to get him away until he has realized all that he has promised the company. I know that he has had tempting offers to California & Nevada, but his sense of duty would not permit him to leave his present situation. As for his training — he commenced with Stanford, then went to Göttingen and studied with Wöhler & afterwards spent two years at Freiberg. On returning home he accepted a position under Dr. Webb, the great ship-builder, to survey Jarvis & Bakers Island in the Pacific. He was absent three years exploring these and other Islands, visiting the Sandwich Islands and California. When he came back to this country he was with us for some months working up his results, which doubtless you have read in the Am. Jour. Science.

Two years ago he went to Lake Superior to take charge of the Albany & Boston Mine. Any one who has been recently in that region will tell you how skillfully he has developed that property so that now it bids fair in a comparatively short period to rank with the Quincy Cliff & Central — the great mines of that wonderful region. —

Write such men associated with yourself as Stores Eliot & Hague, the Technological Institute must succeed

Sincerely your friend

Geo. J. Brush

Prof W. B. Rogers —

Louisville Aug 10. 1865

Prof. Rogers,

Sir:

Having decided to enter a Scientific Institution in order to continue my education, I take the liberty to address you for information concerning the School of Industrial Science, which I hear is to be opened in Boston next October.

I attended the school of the Messrs Allen, at West Newton, Mass. last year, and studied with the intention of entering

the Institute at Troy N.Y.
but my parents prefer
that I should attend
school in or near Bos-
ton, if possible.

I would therefore
be obliged to you for
a circular and any
other information con-
cerning the school.

N. Whitney Conant.
Care L L Warren & Co.
Louisville
Ky.

For
N. W. Corbett
Louisville Ky
about School.

Lost Safe & plan.

38

(X)

J. Herbert Shedd,
Civil Engineer,
No. 42, Court Street.

BOSTON, Aug. 15 1865.

Dear Sir:

On looking at the building with reference to raising the floor of the basement passage, I was convinced that the effect would be bad if the floor should be raised to a level with the entrance at the Newbury St. end. I do not see how the height could be much more than eleven feet in the clear if finished as at first intended, & this seems quite low for a room 28 feet wide and 86 feet long, which are about the dimensions of the central hall.

If the height is cut down to 8 to 9 feet I am afraid the com. will regret it after it is done.

It is also, in my mind,

a great objection to have the passage higher than each room leading out of it, making it necessary to put in some six flights of steps running out into the rooms adjoining. (There are six rooms) These must of course be passed over many times a day by those who use the rooms. Perhaps this can be obviated, but I do not see how. The cellar would furnish pretty good storage room as it is for articles of reasonable size – I believe the height is 4 3/10 ft. in the clear.

The members of the bld. com. failed to meet me on Monday & I have not as yet heard from Dr. Webb as to another appointment. Meantime the construction of the building is going on –

Yours, respectfully,
J. Herbert Shedd.

39

Mr. D Rose Esq

My dear Sir,

It is getting so near to term-time that it is becoming important to me to know whether you are likely to carry out the arrangement about the Secretaryship of the M. I. T. Certain young men among my former pupils are waiting to know whether I can complete their preparation for College. If you shd appoint me Secy I shd give them up — if not I shd continue in with them, and look for more; and the time is coming when such arrangement for the winter must be made. Mr Rogers has spoken to me about taking the lectures on English Literature. This I am quite prepared to do, as I have lectured on the subject in the Salem Normal School for two winters, and have a very large collection of material. I suppose however that at present your funds would not allow you to make this much of an object independent of the Secretaryship. For the present I suppose I could fill

both offices and the two together wd give me such a moderate income as I c'd get along with.

I need not say that I am urging a decision in the matter without prejudice to any other claimant upon the place. I am only anxious that some decision sh'd be come to.

I will call at one tomorrow in hopes of finding you at your office.

With much regard
Yrs very truly
H. P. Atkinson

Aug 21 '65

In reply I said to Mr Atkinson that I expected to see you this week. but now that we are not likely to want if your brother's office
Tom wrote such to him
M.D.R.

40

(X)

Auburndale
August 24th/65

Prof. Rogers

My Dear Sir

We had a joint meeting of the building and ventilating committees, (rather informal for want of quorums,) we took the responsibility to request Mr Shurtleff to go ahead, and order a Steam Boiler, I am still of the same opinion as formerly about the floor in the basement, but I will cheerfully yield to what I find to be the wishes of yourself & Mr Runels, I am almost daily meeting with persons who want to send students to our School, the recent article in the Journal has had a good effect

I must give you some advice which is to keep quiet in your present state of health, we cant afford to have you wear out as fast as you will if you work as hard the coming campaign of the school as you did last year. I too have been quite unwell for the past ten days. but am now nearly well again, I begin to feel very nervous about getting our building done suffient to begin the school within its walls before January The principal object of this letter is to send the Enclosed from Wm Atkinson I infer from the general tenor of your remarks the last time we talked about Dr Webb that you dont see the way clear to dispense with his services, as you say in this, so say I I want to secure Atkinson to help us this year as we shall never have more to do in any one year than the one before us, I cant afford to give $5,000 to the Institute now but I will economize in my other expenses and give the interest of that sum $300 towards securing his services one year on trial, I want him to help me organize my museum department I can score out some ideas and I want him to help me hammer them into some sort of system

No & now did write a decent letter but it seems to me judging from this that I am going from bad to worse

Should like to do this on private account so as to have some claim on his services, to make up to my own short comings What say you? I am exceedingly desirous now more than ever to get our School of mines into a prominent position "per se" as well as on account of not being overshadowed (if you will admit the word) of Light from Cambridge My kind regards to your good wife, — (It seems an age since I have had a good old fashioned chat with you both together about the Institute)

And believe me as ever Truly Yours

Wm. B. Rogers

41

Williamsburg - August 29th 1865

Dear Sir

The fact that the College of Wm & Mary was destroyed during the late civil war by stragglers from the U.S. Army has determined its friends to make an appeal in its behalf to the Northern People. We claim by the Government exists. Having been much interested in the Institution you have always been, I write to ask your advice & suggestions as to the best means of securing succor. The main Building has been burned - also a dwelling house - new in near of yard - all the outhouses have been destroyed. The Brafferton, in which your Father so long lived, has been, except the walls, & roof, pulled to pieces. In consequence of the burning happening in the time of war the insurance is worth nothing, & the depreciation of securities has diminished the fund by about $40,000. Under these circumstances it is almost certain the College cannot be restored without aid from the North & liberal aid too. Now that slavery is gone this state will be settled by Northern men, at least I hope so. There is then almost the same reason for aiding the cause of education here as in your own section. Be kind enough to direct your reply to the care of William, Reynolds & Son Baltimore Md. I, & to believe that I remain

Your with much respect

Benj. S. Ewell

President Wm & Mary College.

Prof. Wm. B. Rogers

For Pres. Ewell.
Wm & Mary.

Aug. 1865.

52

From Prof. J. S. Newberry.

31

OFFICE UNITED STATES Sanitary Commission

~~Louisville, Ky.~~ Cleveland O. Sept. 5th 1865

Prof. W. B. Rogers

My dear Sir

I returned your Virginia fossils a few days since, without note or comment & precisely confidently that I should meet you at Northampton — the meeting of the academy being held within a hundred miles of Boston — I was greatly disappointed on many accounts by your absence, and had decided to go to Boston to spend Sunday — after the meeting with you

when I was again disappointed by learning that you were not in Boston — Upon which I turned my back upon the East in disgust and came home as fast as steam could bring me

I want very much to have a talk with you on several subjects, and if I am in New York, as I expect to be, in October I shall certainly run up to Boston and see Gray and yourself —

I want to talk Academy to you — As you will have learned it will be expanded and rendered more democratic & popular. as the next meeting or — Expire — Which shall it be?

I want too to talk over with you the point plants of the Richmond horizon I have lately been studying up the subject, and when I can get access to specimens of all the species. shall think I can make some very interesting deductions from them — I have lately received a collection of fossil plants from Mexico which includes

you. Strangeria magnifolia
Pecopteris falcatus of Emmons
P. ballatus ?. Bunbury. - and
Otozamites Macombei. Also
a beautiful Cycad which I
obtained from Marcou's Jurassic
of New Mexico — &c &c — All
associated with unmistakable
Jurassic Mollusks. —

I want much to get access
to Emmons Collections, and
to see the Novation of your specimens
of Pecopteris Whitbreanus.

Can you not obtain good series
of Triassic & Jurassic (European)
plants for your New Cabinet
at the Techn. Inst.? Nothing would
help our geology more just now
— With kind regards to Prof. H. D. R.
I am ever yours — Sincerely & Cordially
Jas. Starbuck

421

Lunenburg Mass.
Sept. 8. 1865

My dear Sir.

Our Institute of Technology will ere long have need of a Prof to take charge of the Subject of Mining & Mess.^ Engineering. In looking around for a suitable person for this important chair I have thought of your son, now I believe professionally employed on Lake Superior, & I write to you in the hope that you may be able to give me some information regarding his probable future plans & predilections.

I know not what other persons may in the course of the season be brought ~~before~~ to our notice

in this connection, but I believe the place can be secured for your son should he desire it, only upon his being prepared at an early day to enter heartily upon the work of the department. The emoluments of the chair for the first year would probably not exceed $1000; I believe the amount realized by the successful practice of my predecessor. If Lincoln his father and brother lead him to the profession of a scientific teacher in this department, he

I know however he had to believe that his taste & ambition would make the duties of such a chair so congenial to him as to offer an inducement for his acceptance in this respect.

Could you oblige me by letting me know what you think of the probable that your son would desire to secure the place in question, or else [illegible] engagements elsewhere. Whether he would be able to release himself from his present duties in N. Y. Mines.

I regret that I did not meet with him when he was in Boston last spring. I shall be in Boston during Wednesday & Thursday of next week.

Please forward this letter in
early reply addressed to
1. J. Bost — I shall
be in N. City on Wed —
Thursd. Next & may
have a very pleasant to
Call upon you —

I. Ross B. Moore,
Indianapolis, Ind.
July 8, 1875 —

20 Court St. Boston
Sept. 9. 1865.

Dear Sir

The Executors of the will of Dr. Walker have received notice of these claims on the Estate from Hon. Sidney Bartlett Counsel for the claimants copies of which & of Mr. Bartlett's communication are enclosed.

As the claims in the aggregate are of considerable magnitude, and the residuary legatees are the parties interested, the Executors have deemed it proper to call their attention to them, before taking any action in regard to the subject,

The Executors will be glad to receive such suggestions as your Committee may have to make.

Respy. Your Obt. Servt
A. J. Wheeler
for the Executors.

W. B. Rogers Esq
Chairman Committee of
Institute of Technology

Sept: 5th 1865

Regarding the Will
of Dr Walker –

(Copy)

To the Executors of the Will of

Dr. J. Walker

Gentlemen

In behalf of Mrs Walker I enclose you two separate claims upon the estate of Dr Walker to which I ask your attention.

The first is a claim for $5660.66 with the accumulated interest, being a sum received by Dr. Walker subsequent to Feb. 24, 1856 at which date Dr. Walker by articles of separation between him & Mrs. Walker agreed that all property which should come to his wife by devise or descent should be held and disposed of by her as if she were unmarried.

The second claim is for the income of the trust fund received by him from her after the articles of separation in trust to be by him invested for her. The fact of the receipt and of the agreement to invest is known to Mr Uriel Crocker and to the children of Dr. Walker.

I have caused the interest account to be stated with annual rests since no account of the investment has ever been furnished to Mrs. Walker and I infer that the investments

whatever they were, yielded at least an annual income.

There has also been placed in my hands a note of Dr. Walker to his daughter Emily dated April 11, 1860 for $2850. payable on demand with interest; on which is indorsed "June 8, 1860. Received $1220. - the same having been invested for me on my account in Mercantile Marine Insurance Stock at $122. per share -

Will you be good enough to give these claims your attention. Any explanations in my power to afford you will be readily given -

Resp'y yrs &c &c

Boston Sept 4 '65 (Sig) S Bartlett.

43

(X)

Boston, Sept. 11th 1865

Prof. Rogers

My dear Sir,

Your note suggesting inquiries in regard to the situation and engagements of my son, James D. Hague and as to the probability of his accepting an appointment to a Chair in the Institute of Technology I have transmitted to him. It was sent by mail this morning. I have

no doubt that he would highly appreciate the honor conferred upon him by such an appointment, and the congenial association in which its acceptance would place him; I am quite sure, too, that his tastes and predilections, as a student, would dispose him to welcome the proposal; but whether his engagements for the present, or his plans for the future, be such as to place any insurmountable obstacle in the way of his acceptance of the position I am not able to determine.

I need not assure you that it would give me great pleasure to welcome him back to Boston, the home of his early youth. Indeed, I am quite desirous that he should have an opportunity of leaving the comparative solitude in which he has been living, so as to enjoy again the benefits of cultivated society.

I hope to hear from him, ere long; and I shall be glad of an opportunity to confer with you further in regard to the subject of your communication.

I am, sir,
Your very respectfully
Wm Hague.

Revd. Mr. Hague,

Relating to his Son.

[9/15/1865]

* 5

It shall be the duty of the Com: of Dist. whenever it becomes satisfied that the interests of the School demand the removal of the Principal or of any of the Profs. or other teachers, to communicate ~~their views of~~ the facts of the case to the Gov.s of the Institute — who shall have authority to remove or otherwise sever from the School the said officers if ~~it shall seem~~ on due investigation it be found that the interests of the School make such action necessary, the affirmative vote of a majority of the entire Gov.s being required for this purpose.

[9/15/1865]

(1) The details of Organization of the several departments of the School, & the Conduct of its instruction & government shall be intrusted to the faculty of the School, subject to the supervision & control of the Comm: on Instruction & of the Govt of the Institute.

(2) The faculty shall consist of —— Profs and a presiding Officer to be called the Principal who may or may not be one of the Profs.

Guere? for 2 years.

(3) The Principal and the Profs shall be Elected by the Govt of the Institute on nomination by the Comm: on Instn. The Principal shall be ex Officio a member

of the Govt & of the Comm: of Instruction. *

(4) Assistant Profs and other subordinate teachers may be appointed as occasion requires by the Comm: or Instr. on the recommendation of the faculty, but only the full Profs shall be entitled to a seat in the faculty, body.

(5) It shall be the duty of the Principal to preside at the meetings of the faculty, to conduct the correspondence relating to the School, to represent its various interests before the Govt & the Comm: or Instr, & to act generally as the executive head of the School.

6

The Comm: or Instructors ~~shall~~ with the Approval of the Govt. shall designate the Chairs to be established in the School - shall determine the salaries of the principal and ~~of~~ the several ~~assistants of the Sec. of the faculty~~ and other teachers Profs. and shall regulate the tuition fees & other charges of instruction; they shall also determine the fees for partial courses or consultation with the faculty.

7. The Comm: or Instr. in consult. with the faculty shall prescribe the rules of conduct by which the students are to be govd during their attendance on the School & the penalties incident to their violation.

3. The Professors shall elect from the Corps of Instructors a Secretary of the Faculty whose duty it shall be to issue Notices of faculty meetings to keep the Minutes of their proceedings, and to aid the Principal in the preparation of circulars Catalogues & other publications relating to the School as well as in the Correspondence connected with it. It shall be the duty of this Officer also to attend to the Matriculation of Students ... to keep the Matriculation book and to make out the accts of tuition & other charges of instruction and place them in the hands of the Sec'y of the Institute for collection. The Salary of the Sec'y shall be fixed by —

9. It shall be the duty of the faculty to adjust the terms & duration of Instn in each of the classes so as to insure a proper co-ordination of studies as well as a full co-operation of the diff. departments.

They shall, assign the terms & fix the ~~duration~~ duration of the several stated & of the ~~fu~~ annual examn.

The faculty shall prescribe the age & degree of preparation requisite for admission to the School, subject to the approval of the Board of Instruction.

Report of the Committee on Instruction relative to the management of the School, the organization of the Faculty, &c., submitted to the Government Sept. 15/63.

44

(X)

Geological Department,

COMMONWEALTH OF VIRGINIA.

Box 887, Richmond, September 19th 1865

Prof. William B. Rogers,

Sir:—

Governor Pierpoint being exceedingly anxious that there should be laid before the Legislature a Report of the Mineral wealth of the State, so that he may thereby assist in attracting capital and labor to the hitherto partially developed resources of this nature in the State, has been pleased to request me to endeavor to prepare such a Report. From my acquaintance with these truly valuable sources of State and National wealth being confined to such information as I have been able to glean by a hasty trip through a portion of the State, and to

If you have friends coming to Va. desiring to visit mines I will gladly assist them.

your valuable Reports and a few other meagre newspaper sources, I feel that I shall fall short of the importance of the subject and of my own and the general desire - I have therefore taken the liberty of addressing you to say that if, from your unpublished notes and memory you will assist me by collating such information as you may be willing to have made public, any compensation in my power will be gladly rendered in exchange. Owing to the impoverished condition of the Commonwealth, my own compensation will undoubtedly be but a trifle, all of which I intend to expend in trying to make the Report as useful, valuable and complete as possible - If you think it necessary for me to visit Boston I will come, but I have a large portion of the State yet to visit and my report is desired by the Governor to be in readiness for his perusal by the first of November next -

Hoping that your love for the interests of the "Old Commonwealth," and your professional duties will permit you to render me some assistance, I would simply say that I shall probably be able to gather from even the loan of any books, papers, manuscripts very much that will assist me and for which I shall esteem it a pleasure to give you ample personal credit,

I remain, Sir,

Yours Respectfully

Edwin H. Grant,

If you could send to my brother a package for my personal, Library, and Gov. Gr. Mass. His address is S. Hastings Grant, Mass.

45

(8)

North Western University,
Evanston, Ill. Sept. 25. 1865.

Prof. W. B. Rogers. –

Dear Sir, –

Editorial notices in some of the recent Boston papers have drawn my attention to the "Massachusetts Institute of Technology" & am gratified to learn that such an institution has been founded in Boston, believing that it may be made vastly useful to the country in advancing the scientific and Mechanic Arts.

The object of this note is to inquire whether full provision has been made for the instruction which it is proposed shall be given in the Institute. The reason for this inquiry is personal to myself. For the past six years I have been at the head of this institution

over

giving instruction in the department of Mathematics and Astronomy, and also in Civil Engineering and, at times, in some other branches of Physics. The position here, so far as regards salary and the work required, is quite to my satisfaction, but the health and circumstances of my family necessitate a residence, for a time at least, in New England.

I expect to remove to Boston or vicinity about Nov. 1st and desire to find work to do which may be agreeable to others and more or less remuneration to myself. Should there be any opening for me in the "Institute" in any department allied to those named above, I shall be glad to confer with you in relation thereto, and to furnish you with any references desired.

Have the kindness to write me at your convenience, and believe me,

Very Respectfully Yours

Henry S. Noyes.

P.S. Will you send me a copy of your "Report" concerning the Institute? H.S.N.

Noyes

53

1865 Sep. 26. Never issued.

Mass. Institute of Technology.

School of Industrial Science

The department of professional instruction, to be opened on Oct 2nd, is intended – First, for such students, as by a full course of scientific studies and practical exercises, seek to qualify themselves for the professions of the Mechanical Engineer, the Civil Engineer, the Engineer of Mines, the Builder and Architect, the practical Chemist & Metallurgist, and the Teacher of applied Science; and Second, for those who aim to secure a training in some one or more of the special branches including under either of these heads. ~~of Natural Science~~.

The degrees corresponding to the leading divisions of the School will be as follows:

6 The degree of Mechanical Engineer
" " " Civil & Topographical Engineer
" " " Geologist & Mining Engineer
" " " ~~Industrial Chemist~~ Practical Chemist and Metallurgist
" " " ~~Practical Metallurgist~~
" " " Builder & Architect
" " " Bachelor of Science –

Besides the above degrees, embracing the several complete courses of Study, ~~the~~ Certificates of Attainment will be given for proficiency in special branches, such as ~~Chemistry~~ Mathematics,

To be inserted daily until further Notice —

[Sept 26, 1865]

Chemical Analysis, Mining and Metallurgy, Machine ~~Drawing~~ and Architectural Drawing. ~~Naut~~ Navigation and Nautical Astronomy, &c

The Laboratories in the new building will be in readiness soon after the opening of the courses, and every facility will be afforded to students in Analytical Chemistry, Assaying, Metallurgy and Practical Mineralogy. They will be familiarized with the typical minerals, rocks and fossils, by the use of a suite of hand-specimens, and will ~~moreover~~ also, have the privilege of studying the large and conveniently contiguous collections of the Boston Society of Natural History.

~~William B Rogers~~
~~Pres. Mass. Inst. Tech.~~

For details, application may be made at No 1 Mercantile Building, 16 Summer St between the hours of 11 A.M and 1 P.M.

William B Rogers
Pres: Mass: Inst: Tech:

Sept 26