15 Papers, June 1878

Dear Prof Rinker

Your of the 31st ult is this moment rec'd. I am ~~Deeply~~ startled by your decision thereto, for on our previous conversation it is not wholly unexpected.

Without knowing the precise situation of affairs at this time at the Institute, I can well understand your wish to be relieved from the anxieties & responsibility which have lately fallen upon you so heavily of late. And I sympathize in your work, for looking at all the circumstances around you I am ~~therefore pleased~~ that

in taking this step — ~~Lower~~

~~it may affect the~~ relations

may be the result to the Post

would not ~~[illegible]~~ seriously ~~the~~ ~~[illegible]~~

promoting ~~[illegible]~~ ~~[illegible]~~

your own health & happiness.

You have ~~[illegible]~~ served

the Post so long & so devotedly

that I take for granted that

in the event of your resignation the

Govt. will be anxious to retain you

in charge of the Mail Dep't.

I need say no more now

as we shall soon meet, ~~[illegible]~~

My purpose to return to B. early

next week.

Yours faithfully

W. B. R.

J. D. Rankin

June. 1. 1878 —

FALL BROOK COAL CO.,
MORRIS RUN COAL CO.,
BLOSSBURG COAL CO.,
Mines near Blossburg Tioga Co., Pa.

CHAS. K. MINOR,
Assistant.

JAMES MACFARLANE,
General Sales Agent for
THE BLOSSBURG COAL COMPANIES,
Office in Syracuse Savings Bank Building.

Syracuse, N. Y., June 1st 1878

Prof. W. B. Rogers.

My dear Sir.

I was made very happy by receiving your of the 30th with the R.R. guide for Va and geological notes. They are all that could be desired and no chapter in the book will be more welcome or more valued by geologists than this on Virginia.

It was especially welcome as the book is now complete covering the whole United States and nearly all of it is in type and electrotyped. I will take pleasure in sending you proof sheets for your final corrections but such is the delay with printers that I fear I cannot get them for you this week after next.

With many thanks for your valuable contribution I remain

Yours very truly
James Macfarlane

Mass. Institute of Technology.

BOSTON, June 4 1878.

My dear Prof.

I have your note, & am glad that you are so soon to be at home. Tomorrow at 11 A.M. I have asked a few of my friends to meet me at Mr Little's office, N.E. Mutual Life Ins. Building to see when I had better communicate my decision to the Corporation - I earnestly hope that you may be present. You will be fatigued after your journey, & on that account I will not call tomorrow -

Ever truly yours
J. D. Runkle

EDWARD ATKINSON,
131 DEVONSHIRE STREET,
BOSTON, MASS.

Boston June 6. 1878

Dear Sir

I greatly regret that I must be absent tomorrow to view a test of fire apparatus of great importance to us.

I have taken the liberty, not only of drafting a letter for you, but I have also made some minutes in accordance with our conversation.

The question of President is a critical one and I have a little fear of the influence of one or two members who never attend our meetings. It would be safe with the Committee on the School "to consider what action the corporation had better take"

Yours most truly

Edwd Atkinson

Prof Rogers

[6/6/1878]

To the Committee on the School.

Gentlemen.

Your Committee have asked us to express our views freely in regard to any changes we may deem desirable, either in the conduct of the business affairs of the School, or in the scheme of instruction; and to consider both with regard at once to greater efficiency and to greater economy of administration. In response to this request we respectfully offer for your consideration the following suggestions.

I. We believe it would be greatly to the advantage of the School for the Corporation to appoint some person of ability and business experience as their Steward, or man of business, and to confide to him, under such instructions as might be agreed upon between themselves and the Faculty, the duty of attending to all the minor pecuniary affairs of the Institute. This would include the furnishing of supplies, the care and preservation of the building and the property it

contains, and the direction and regulation of the personal service it requires.

To acquire a thorough knowledge of these affairs and to introduce system and order into their administration would be a work of time and labor, but if the appointment were made at once, as we should hope might be the case, this work might probably be concluded during the summer. The duties of such an Officer would not afterwards occupy, probably, more than half a dozen hours a week if it were regularly attended to, at stated times.

The appointment of such an Officer would render necessary, what is in any case extremely desirable, the appropriation at the beginning of each academic year of definite sums for definite objects of current expenditure. These sums he should be directed to pay out on requisition of the heads of Departments, of the President, of the Faculty, and of the authorities of the School of Mechanic Arts, according to the amounts appropriated to each, while he should himself have discretionary power over the sums appropriated for the building. The building would in fact constitute his own department, in regard to which he would hold

the place now occupied by a committee of the Corporation. All applications to the Corporation for appropriations of money on the part of the different Departments and of the School of Mechanic Arts, should be made by vote of the Faculty.

We do not suppose that this would result in any great pecuniary saving. The amount involved is apparently not large, and any saving which could probably be made, would hardly offset the compensation proper for such services. But we believe that the greater efficiency that would be given to the conduct of affairs and the better understanding that would result from having all these accounts kept distinct, one from another, would give so much ~~and so~~ constant satisfaction both to the Faculty and to the Corporation, that it would be worth whatever outlay might prove necessary in order to attain it.

We would desire specially to call the attention of the Corporation to the comfort and satisfaction they would themselves derive from the work of such an officer. Our Committee of Conference have reported to us that they endeavored to learn from the Committee on the School the nature and cause of

[6/6/1878]

on the part of the Corporation

that dissatisfaction, which has apparently diminished their confidence and zeal. ~~[illegible]~~. So far as our committee could learn, this attitude, the existance of which seemed to be admitted, is partly due to petty and long continued annoyance in regard to minor financial questions, and this the creation of such an Officer would go far permanently to remove.

II. But it was also intimated to our Committee that the hesitation the Corporation had felt in taking active measures in behalf of the Institute, has been owing, in part, to an idea that the Faculty were themselves disaffected, and did not believe in the scheme they were engaged in carrying out, and it was understood that so much of the resolution now sent us as asks for a revision of the course of instruction was intended to give us an opportunity of saying what we have to say upon this point.

Not the fact

In reply to this we desire to say that we accept the duty imposed upon us and that we

Robert Sul. Cum.

Business Affairs No. 9.J

Unknown - Probably 1878.

~~Copy.~~

Boston, June 7, 1878.

Gentlemen:

I have had the honor of serving the Institute of Technology as President of this Corporation for the past ten years.

The time has come when I feel it my duty to resign this office, which I now respectfully beg to do, my resignation to take effect at the close of the present year.

I intend to remain a member of the Corporation, and wish to retain the professorship with which you honored me at the opening of the school.

In resigning the Presidency, I wish to express my grateful thanks for the opportunity you have given me to identify myself in some small degree with the well-earned fame which the Institute enjoys in maintaining one of the leading, if not the leading technical school in this country. If permitted to retain my connection with the Institute, my earnest wish is that I may be able to serve it more efficiently in the future than I have been able to do in the past.

Again, thanking you for the cordial support you have always given me in all educational measures, I ask you now to accept my resignation without ceremony and without delay.

Very respectfully,

Your obedient servant,

J.D. Runkle.

Putnam 1885.
of 1878

Mass. Institute of Technology.

BOSTON, June 8 1878.

Dear Sir:
There lacking one of a quorum yesterday, it was voted that my read be submitted to you for approval, or receiving which it to be regarded as constituting a quorum - please read & sign your approval, while the messenger waits if possible.

Yours respectfully
Saw Knueland
Sec

Prof. W. B. Rogers

Newport, R.I.,
9th June, 1878.

President
Wm B. Rogers.
Mass Inst. Technology.

Sir:-

When you are at leisure I desire to see you on the matter of establishing the branch of Marine Engineering at the Mass Inst of Technology as prescribed by law of Congress. If you will please indicate an hour when it will be agreeable for me to meet you

I shall be thankful, a
note to the Aquidneck
House will reach
me. I take the liberty
of enclosing an introductory
note from Professor Rumsey.

Very Respectfully
John A. Dahlgren

Passed Asst Engr
U.S.Navy.

Boston June 10. 1878.

Dear Sir

My health does not permit me at present to take an active part in the efforts to relieve the Institute from its embarrassments, on which we entered last winter when application was made to the Legislature for aid. Although that application failed the cordial good will & helpful intentions manifested by many while it was pending give me assurance that our friends both within & without the Institute are prepared to come forward with contributions to sustain the School.

I believe it to be of the highest importance to the Institute that we should be able to make our arrangements during the summer for the New School year beginning Oct. 1st, so as to be free from the embarrassment which the want of adequate means has lately imposed upon us, & I feel satisfied that the subscription amounting to 100,000 dollars, would place the School in perfect safety & satisfactory condition, enabling us to continue the full scope of

intention which it is our object to maintain.

May I ask you to as early as possible to take such steps ~~in consequence~~ as you think expedient for securing a ~~so that can be done towards such the~~ subscription.

Yours very truly
William B Rogers

Jno. L. Cox. Esq.
Planters Bank
Baltimore.
Jan. 10. 1878.

[6/12/1878]

Voted .. That the Corporation elect one of its own members as President pro-tempore with the Title of "Pres. of the Corp.^n" to hold his office for one year, unless a permanent Pres.^t be chosen within that time ... ~~Whose duty it~~ Who shall ~~be to~~ preside at the Meetings of the Corp.^n, he ex officio a Member of the Corp.^n: or the School & shall preside at the Meetings of the Faculty whenever he ~~shall~~ may see fit to be present, but who shall not be charged with any of the business details heretofore ~~entrusted~~ committed to the President.

[1878]

Voted That to ~~decrease the expenses~~ decrease economy — & ~~[illegible]~~ be taken in the use in the building

~~Now~~ action in relation to the buildings & Grounds of the Inst. — & ~~the~~ to the supplying of fuel & other labor ~~for~~ & ~~the~~ necessaries for the ~~[illegible]~~ general use of the Institution — it is expedient to appoint an ~~[illegible]~~ superintendent or Janitor — ~~who~~ to have care of the all the buildings & fixtures of the Inst.

[6/12/1878]

(2)

1878

Voted: 4. That the Corporation elect one of its own members as Presᵗ pro tem: with the ~~title~~ of "Presᵗ of the Corporation" to hold his office for one year, unless a Presᵗ of the Instⁿ be chosen within that time, ~~It shall be the duty of this Officer~~ whose duty it shall be ~~shall~~ be ex officio to preside at the meetings of the Corporation ~~xx xxx~~ a member of the Committee on the School, ~~but xxx shall not be charged with any of the business details heretofore xxxxxx to the Presᵗ shall~~ preside at the meetings of the Faculty whenever he ~~shall~~ may see fit, but shall not be charged with any of the business details heretofore entrusted to the President.

Voted: 5. That all the finance transactions & details heretofore ~~attended~~ devolved upon the Secᵗʸ & Presᵗ be ~~placed in charge~~ henceforth exclusively in charge of the Treas:, subject to the control of the Corporation.

Voted: 6. That the Secᵗʸ of the Corporation & Faculty hereafter ~~take~~ shall ~~have charge of~~ attend to all correspondence relating to the School, & shall report when needful to the Committee on the School, for advice or direction, conferring when needful with the Treasurer & Committee on the School.

[6/12/1878]

Voted: 7. That the Faculty of the School be directed to chose a chairman from its own number to hold office for one year, reeligible or not as the Corp.n may hereafter determine ~~be decided (by the Corporation)~~, whose duty it shall be to preside at the meetings of the Faculty whenever the Prest of the Inst: shall not choose to be present, ~~who shall~~ to act as the representative & executive officer of the Faculty in all matters of discipline & in whatever relates to the interests of the Students in their connection with the several departments of instruction; ~~& who shall~~ to submit to the Committee on the School & Corporation, for consideration, such suggestions of improvement in organization, discipline & instruction as the faculty may consider expedient, & ~~shall report~~ to ~~statedly to the Corporation~~ furnish ~~a report~~ report from time to time, as hereafter directed, to the Corporation, on the condition & work of the various departments of the School.

X

Mass. Institute of Technology.

BOSTON, June 12 1878.

Dear Sir:

Allow me to remind you that you & Mr. Cummings were authorized to appoint & fix the salary of the new officer (or officers) to take charge of the minor financial operations and the building.

The Corp'n now nominating a candidate to fill the vacancy existing in the Corporation, are yourself, & Messrs. Cummings & Atkinson.

I had expected to take a short trip to the Paris Exposition this summer, but under the recent events no such thing can be thought of. The absence of the President & your temporary appointment throw such additional labor & responsibility on me, that I fear the

interests of the School would suffer greatly from confusion and inattention during the vacation, and that the anxiety on your part would seriously interfere with the recovery of your health, which requires, it seems to me, as near as possible absolute rest of mind and body. I shall, therefore, be off and on at Cohassett this summer, coming to Boston twice a week at least, & oftener if necessary, to relieve you of much work and thought as I can.

I hope now that some of my depreciators will let me alone, as hard work and want of appreciation together with secret & open dissatisfaction are not calculated to make one's labors cheerful & satisfactory.

Yours truly

S. Knee[illegible]

Prof. W. B. Rogers.

Massachusetts Institute of Technology.

The Massachusetts Institute of Technology asks for contributions to sustain it in establishing technical and industrial education upon a comprehensive plan.

In its attempt to do this it has been embarrassed during the past few years by the want of adequate means, and during the last year it has been forced to meet the question, whether it will give up essential parts of its instruction, dispense with some of its trained professors and enter upon the school year beginning next October seriously restricted in its work, or, whether it will rely upon its friends to sustain it and instead of curtailing any part of its teaching endeavor to perfect and improve its methods under the light of experience already gained.

In view of the necessity for more capital, aid was lately asked of the Legislature and much valuable work was done by its chief founder and first President Prof. William B. Rogers in explaining its plans and methods to those who had not been informed before; although this special effort failed the labor was not wasted and it is believed that its new friends will now co-operate with those who have long been connected with it in the present movement to place it beyond any danger of failure.

The late President, Prof. J. D. Runkle after ten years of arduous labor has been obliged to resign and to seek relief in a year's rest. To meet the present emergency

our first President Prof. Rogers has again become the chief officer of the Corporation, and to this committee he has addressed the following letter.

Boston June 12-1878.

Gentlemen;

My health does not permit me at present to take an active part in the efforts to relieve the Institute from its embarrassments, on which we entered so zealously last winter, when application was made to the Legislature for aid.

Although that application failed, the cordial good will and helpful intentions manifested by many while it was pending, give me assurance that our friends, both within and without the Institute, are prepared to come forward with contributions to sustain the school.

I believe it to be of the highest importance to the future of the Institute, that we should be able to make our arrangements during the summer, for the year of the School beginning Oct. 1st, so as to be free from the embarrassments which the want of adequate means has lately imposed upon us; and I feel satisfied that a subscription amounting to $100.000, added to the finances, would place the School in a perfectly safe and satisfactory condition, enabling us to continue the full scope of the school which it is our object to maintain.

May I ask you, as early as possible to take such steps as you may think expedient for commencing a sub-

scription.

Yours very truly
William B. Rogers.

John Cummings Esq. and others.
Committee.

In response to this request, the Committee appeals to the friends of Industrial Education.

The Institute of Technology is not limited in its service to Massachusetts or even to New England.

It is sought by students from every state and from other lands; it aims to be the leading school for teaching the industrial sciences in the country; and with its technical studies it combines a training in other branches suited to qualify its graduates for honorable positions among well instructed men.

It has now sufficient buildings for its present uses and ample land granted by the Commonwealth for extension when necessary.

The shrinkage of all values and the depression of all industries have cramped it for the past few years, but with the return of a sound standard of values and with renewed confidence in our material progress the time seems to have come to put the institute upon a broad and stable basis.

Professor Rogers has come to the front once more and is for the time being at his old post, though hampered by his want of health. In doing this he has contributed more

than any of us can possibly do. Shall we not meet him at least half way? Promise the small contribution he asks and try to double it?

The Institute under his lead and with his experience, backed by the needful youth and vigor in its administration may easily be made to rival the great schools of Industrial Science in Europe which have become so generally the resort of those who seek to lead the industries of the world.

The committee appointed for that purpose, now appeal, not only to New England but to the men and women of our whole country to aid them in placing this school in the same rank with the best similar institutions of the world.

In many respects our mechanics and inventors now surpass those of Europe. Shall we not provide the means by which their ability may be developed and made to serve its utmost purpose for the benefit of all?

Members of the corporation have in previous years contributed over one hundred thousand dollars to sustain it, they now propose to subscribe again to assure its proper development and in this undertaking they ask the friends of the Institute to join.

Boston June 17. 1878.

Massachusetts Institute of Technology

Committee on Subscriptions

John Cummings – Chairman
H. P. Kidder
James L. Little
Wm. Endicott Jr.
Augustus Lowell
E. R. Mudge
J. M. Forbes
David C. Cobb
S. D. Warren
M. D. Ross
Edward Atkinson – Secretary of the Committee

To the Graduates of the Massachusetts
Institute of Technology.

Gentlemen

The undersigned, a committee of the Corporation appointed to raise funds ask your assistance –

The embarrassment under which the school has lately been conducted for want of adequate means must be removed; to this end several measures have been devised –

The alumni of the school are presently to be requested to nominate a candidate to fill a vacancy in the corporation and the corporation hopes in many ways to avail itself of the cordial good will of the graduates and more and more to secure the benefit of their experience in the conduct of its affairs.

Any subscriptions that you may be able to obtain may be reported to either of the undersigned

Boston June 17. 1878.

PACIFIC MILLS,
TREASURER'S OFFICE,
BOSTON.
P. O. BOX 5249.

BOSTON, June 15th 1878

Dear Sir

Yours dated the 12th only came to hand this AM. or it would have had an earlier attention. Steps such as you suggest have already been taken & a meeting was held at my office yesterday. We shall proceed at once to raise the money required which I have no doubt will be accomplished & I think every thing looks favorable for the future success of the School

Very truly
James F. Hunt Treas.

Prof. W. B. Rogers

Boston, June 18th '78

Dear Sir.

Your favor of the 12th inst is received. I have been much gratified to learn that you have again taken upon yourself the responsibility of guiding the affairs of the Institute, and shall do what I can to show my appreciation of the good work it has been doing and is likely to accomplish in the future. Owing to the

absence of one of my partners in Europe I am obliged to visit New York occasionally and in this way have but very little time which I can devote to outside matters.

I was unable to be present at the meeting of the Committee this morning, but shall aid their work as much as I can.

Very respectfully
Yours,

E. N. Meeds

Prof. R. Rogers,
Inst. of Technology,

EDWARD ATKINSON,
131 DEVONSHIRE STREET,
BOSTON, MASS.

Boston June 20. 1878

My dear Sir

For your use and information I enclose herewith a subscription book, list of names and notice of meeting at which of course, you will not be expected.

I also enclose draft of appeal to be heliotyped with signatures when finally approved. I have tried to be as concise as possible in the addition made to Mr Forbes form. Please amend without scruple if you see reason to do so. The majority of the committee approve and all will sign before we go to press.

I also enclose a form to accompany the principal circular when sent to alumni.

I do not think we need doubt our success in getting at least $100.000.

Yrs sincerely Edwd Atkinson

Prof Rogers

X

Thursday
Lenox June 20th
'78

Dear President,

I rejoice to learn from your welcome letter, that you feel able to resume your appropriate post at the head of the Institution, which is your own creation, & to which development & usefulness you have never ceased to contribute — I hope you may long continue to occupy the

Presidential chair, & have the great gratification of witnessing the increasing prosperity & usefulness of your, — I may say our, beloved Institution —

I am very glad it is proposed to raise, at this time, the sum of $100.000, & trust the project may be abundantly crowned with success —

Early in July — I will send you a check for $500., as a small contribution towards the good work — I should gladly make it much larger, but I have recently bestowed a considerable sum for a purpose equally in the interest of science & progress, & thus deprived myself of the means of cooperating more liberally in behalf of your Institution — Shall I make my check to your order, & address you at Newport? Or shall I make it payable to your Treasurer? I have not your last report here, & have forgotten the name of the latter —

With much love from Miss Dorr & myself to Mrs Rogers, believe me, dear President,

Most cordially his

Martha Ann Edwards

Boston June 20. 1878

Sir,

A meeting of the committee for raising funds for the Institute of Technology will be held at the office of Mr James B. Little - Milk St tomorrow June 21st at 10½ Am

It is very desirable that you should be present as names are to be assigned to each member. If it is impossible for you to attend will you please make a selection from the enclosed list and let us know what name you have chosen, to apply to

Edward Atkinson

Sec'y

Detroit June 20. 1891

Sir:

Question of the committee on funds for the Industrial School for Boys will be submitted for approval to the Legislature. Will it interfere June 24th at 10½ hours

It is very desirable that you should be present to answer or to be asking it seek results. If it is impossible for you to attend will you please write a statement from the board that should be sent to him which may be used if it appears

Yours truly

D. C. J.

Duplicate

Boston June 24. 1878.

Dear Miss Hovey

I shall make no apology for writing to you in regard to the Institute of Technology since we have been informed that you desire to know about our doings and that ~~there is a possibility of your being inclined~~ you may possibly be inclined to aid us. For the last three or four years the Institute has been embarrassed by the ~~a~~ want of a moderate addition to its income. The instruction given is of necessity very expensive, involving a large proportion of teachers ~~to~~ compared with the number of students and ~~a great deal of expensive~~ a large amount of costly apparatus*; for these reasons the fees from pupils are ~~and probably must continue to be~~ insufficient to meet even the present low salary ~~of~~ fixed for the professors, and the income from invested funds has been and is inadequate to meet the current expenses other than salaries and to keep up the apparatus. The professors have been most zealous and have expended, year by year, considerable portions of their very moderate salaries in the purchase of necessary apparatus. The need has been the greater because the method of instruction has tended more and more to the use of the laboratory, and the apparatus especially in the physical and mining laboratory has been in many respects new in its application to purposes of instruction. The principal departments of Engineering Chemistry and Physics need no description.

In the building lately ~~constructed~~ erected the Institute has now (in addition to our laboratories in the main

building, a laboratory for the instruction of women in the higher branches of chemistry - a room devoted to industrial chemistry - a room which constitutes a laboratory for the use of the botanist and biologist, and several rooms devoted to the tools and machines in use in the school of mechanic arts. These constitute the nucleus of a laboratory for the department of mechanical engineering, in which the student can, while being instructed in the principles of mechanics, be also trained in the use of the hand as well as the head in the use of tools of the best construction; therewith working out the casting, forging, welding, molding and turning, and in finishing the various mechanical devices or forms which enter into the construction of all machinery.

In this department the time of the student is not wasted in futile attempts to construct machines or apparatus for sale but is devoted to the training of the hand in the use of tools on inexpensive materials.

It is claimed to have been proved by the short experience in this department under great disadvantages that the arts of the carpenter, the blacksmith, the iron molder and the machinist can be imparted by simple practice in the conversion of wood and metal, into the various foundry forms which are common to all machinery such as the cam, the shaft, the pulley, the screw, the lever &c. It is believed that if this *

practice accompanies ~~the~~ is added to instruction in the principles of mechanical engineering and of construction, the graduates in these departments will not want ability in the use of any tool on which those whom they may afterward direct or employ may be engaged.

But while the Institute has thus been ~~trying to~~ working out the best methods of instruction in applied science, the fact has not been ignored that scientific education ~~in science~~ may be ~~as~~ narrow and pedantic as well as that which is ~~mainly~~ confined to the teaching of the classics and therefore with in each of the scientific courses is combined instruction in French[2] and German[3] ~~and as much work in the English department as time will permit~~.

It has been a matter of regret to most of the graduates, that their preparatory ~~instruction previous to~~ entering the Institute had not been such as to leave them more time for work in the English department, in rhetoric, history, political economy and the elements of constitutional law; but this can only come with improvement in the methods of the schools that precede the Institute courses. Drawing both mechanical and free hand ~~of course~~ forms an essential part of every course and in this department ~~and~~ as well as in Architecture there is great opportunity for the training ~~instruction~~ of young women as well as young men, were ~~there~~ adequate means provided ~~to provide for it~~.

~~The late~~ President Rumble, has worked with

the utmost zeal and disinterestedness for many years in ~~the attempt to~~ develop~~ing~~ ~~new~~ the methods of the Inst: often with inadequate means and appliances. ~~and now, wearied with the work~~ He has now resigned the Presidency and will devote a year in Europe to the investigation of industrial education, then returning to ~~the work of~~ his professorship in applied mathematics.

Professor Rogers has once more become President of the Corporation, at his instance - the faculty have chosen a chairman from their own number chairman, arrangements have been made for the right conduct of the business affairs of the Inst: the care of the building and grounds &c, and the members of the Corporation have now determined to appeal to the friends of technical and industrial education to relieve them from the embarrassment of want of means and to place them beyond the reach of even partial failure.

While the school was in its experimental stage, they ~~have~~ made no urgent or public call for aid, but ~~have~~ added from time to time money of their own to the generous gifts or bequests that have ~~fallen~~ been made to them. The corporation numbers thirty six regular members and has been in existance for 16 years, in that time members of the corporation have contributed to its support over One hundred thousand dollars in money, besides many valuable gifts of apparatus and of books.

In addition to this ~~sum~~ amount already given they ~~now~~ lead off on the present subscription with the sum

of dollars - Of course the greater part of these subscriptions have been made by a few generous men of wealth who are members of the corporation; others have added the work that men of great practical skill in science may render, and others, qualified only to attempt to direct the school by the want of the education they have needed but have not enjoyed, have endeavored to add such business knowledge and experience as may have been to them possible.

It is now claimed that the school has met a public need; that it has ~~in part~~ to the extent of its resources at least fulfilled its function; perhaps more to the satisfaction of those who are not cognizant of its difficulties and of what it might do with more adequate means, than to the satisfaction of those who have attempted in its direction to guide it and to improvise methods and apparatus as experience has brought out their need.

~~Its directors can now claim that it~~ and has passed beyond the stage of experiment during which they felt ~~in a measure personally pledged to its support and have largely expended their own money and that~~ they can now ask for gifts with confident assurance that the money ~~given~~ bestowed will be well spent and every dollar made to serve its utmost purpose.

Unconditioned gifts will be very ~~welcome~~ acceptable, but those who desire to found trusts ~~may well~~ will also be welcome to confine their ~~gifts~~ bequests to specific uses. The Department of Industrial

*which has had such marked success –

chemistry in which women are now instructed* ~~in the higher branches~~, among others offers a fit ~~direction for those who wish~~ opportunity for such ~~to benefit women as well as men by what they give~~ liberal endowment. The departments of ~~Drawing~~ mechanical and ~~of~~ Architectural drawing might well ~~be endowed~~ receive assistance upon the same conditions and ~~perhaps by such endowment~~ thus means a broad field ~~might~~ be opened for women ~~in~~ which they have not yet had ~~much~~ an opportunity ~~to work~~. to exercise their genius & capacity.

The department of mechanical engineering is one of the most important and in need of development and may be fitly endowed by those who wish to aid young men in the work most needed to be developed to assure both economy and safety in the great public works of the future.

I have been thus minute in the statement of our need and I send this letter with the appeal of the Committee, because they are among the members of the Corporation who have most freely given their own money to sustain the work and I can render to them the credit which they may not claim for themselves.

The corporation now consists of the following members.

The faculty embraces many names well known in science and is constituted as follows

Boston June 24th 1878

Dear Mrs Haney

I shall make no apology for writing to you in regard to the Inst: of Tech: since we have been informed that you desire to know about our doings & that ~~there is a possibility of your~~ possibly you may ~~possibility~~ be inclined to aid us. For the last 3 or 4 years the Inst: has been embarrassed by the want of a moderate addition to its income. The instruction given is of necessity very expensive involving a large ~~proportion~~ staff of teachers ~~compared with~~ in proportion to the number of students & a ~~large~~ great amount of costly apparatus. Added to this is the great outlay involved in the extent of working laboratories which it has been the object of the Inst: especially to develope as being the ~~truest~~ & best & most effective methods of teaching. For these reasons the fees from pupils are insufficient to meet even the present low salaries of the Profs, & the income from invested funds falls short of the current expenses, other than salaries, & of the cost of keeping up the apparatus. The Profs have been most zealous, expending in some instances portions of their own ~~very moderate~~ salaries in the purchase of the necessary appliances of instruction. In the building lately erected

the Inst: has established also special laboratories for the instruction of women in ~~Chemistry~~ Chemical manipulation & analysis & in botany & biology including training in the use of the microscope. In the same building are rooms devoted to the tools & machines in use in the school of mechanic arts. These latter constitute the nucleus of a laboratory for the dept: of mechanical engineering in wh the student while receiving instruction in the principles of mechanics is also trained in the work of the hand by the use of tools of the best construction, therewith working out the casting, forging, welding, molding, turning and finishing the various mechanical devices or forms wh enter into the construction of all machinery. In this dept: the time of the student, as yet unskilled, is not wasted in futile attempts to construct machines or apparatus for sale, but is devoted to practical training in the use of tools on inexpensive materials.

It has been proved by the short experience in this dept: that in their main feature the arts of the carpenter, the blacksmith, the ~~wm wrkr~~ moulder & the machinist can be taught by ample practice in the conversion of wood & metal, into the various forms wh are common to all machinery such as the cam, the shaft, the pulley, the screw, the lever &c, and that when to this practice is added instruction in the principles of

[June 1878?]

mechanics engineering & construction the graduates will be fully competent to use or to direct others employed by them in the use of the various tools of the mechanic & the engineer.

But while the Inst: has thus been working out the best methods of instruction in applied science the fact has not been ignored that scientific education may be narrow & pedantic as well as that wh is confined to the teaching of the classics & therefore with each of the scientific courses is combined instruction in English, French & German. (It has been a matter of regret to most of the graduates that their preparation for entering the Inst: had not been such as to leave them more time for work in the Eng: Dept:, in rhetoric, history, political economy & the elements of Constitutional law, but this can only come with improvement in the methods of the Schools that precede the Inst: Courses.) Drawing both mechanical & free hand forms an essential part of every course. In this dept: as well as in Architecture there is great opportunity for the training of young women as well as young men were adequate means provided.

Best Rumkle has worked with the utmost zeal & disinterestedness for many years in developing the methods of the Inst: often with inadequate

means & appliances. He has now resigned the Presidency & will devote a year in Europe to the investigation of industrial education, then returning to his Professorship in applied Mathematics.

Prof. Rogers has once more become Pres. of the Corporation & at his instance & by the vote of the corporation the faculty have chosen a chairman from their own number. Further arrangements have been made for the right conduct of the business affairs of the Inst.: the ~~care of the building & grounds &c~~. & the ~~members~~ members of the Corporation have now determined to appeal to the friends of technical & industrial education to apply the needed help & relieve them from the additional embarrassement to their income of want of means & to place them beyond the reach of even partial failure.

While the School was in its experimental stage they made no urgent or public call for aid but added from time to time money of their own to the generous gifts or bequests that have been made to them.

The corporation numbers 36 regular members & has been in existence for 16 yrs, in that time its members ~~of the corporation~~ have contributed to its support over one hundred thousand dolls in money, besides many valuable gifts of apparatus & of books.

In addition to the amount already given they lead off on the present subscription with the sum of $

It is now claimed that the school has met a public need, that to the extent of its means at least it has fulfilled its function & has passed beyond the stage of experiment during wh they felt in the corporation a measure personally pledged to its support & they can now ask for gifts with confident assurance that the money bestowed will be well spent & every dollar made to serve its utmost purpose.

Unconditional gifts will be very acceptable, but those who desire to found trusts will also be welcome to confine their bounty to specific uses. The Dept. of Industrial Chemistry, in wh women are now instructed & wh has had such marked success, offers, among others, a fit opportunity for such liberal endowment. The depts. of Mechanical & Architectural Drawing might well receive assistance upon the same conditions & thus a broad field be opened for women in wh they have not yet had an opportunity to exercise their genius & capacity. The depts. of Civil & Mechanical Engineering are already well organized although with insufficient means would if adequately endowed give new proofs of usefulness in the works of its numerous graduates well trained by practice as well as theory for the great task of securing economy & safety to the engineering & architectural structures of the future. Indeed all the depts. of the School are in need of additional means for further developing that practical system of instruction wh it has been the aim of the Inst. to establish & for wh it has we believe already secured a honorable distinction among the schools of applied science.

I have been thus minute in the statement of our need & I send this letter with the appeal

of the Committee because they are among the members of the Corporation who have freely ~~given to the School~~ contributed toward sustaining the School & I can render to them the credit which they may not claim for themselves.

Massachusetts Institute
of Technology

Boston June 28. 1878.

A meeting of the Committee on Buildings and Grounds was held at the Institute on June 28. 1878 at 3½ PM

Present Mr D Ross - E S Philbrick and E Atkinson

Mr Atkinson stated that he was authorized to present the resignation of Mr B. McNutt which was accepted

Mr Edwd S. Philbrick was then chosen Chairman

Voted That the Chairman (in consultation with the Chairman of the Faculty) be requested to put the buildings in order prior to Oct 1st not expending therein more than the appropriation of $500 - made at the last meeting of the Corporation

Voted To adjourn

Edwd Atkinson ~~Pres~~
Secy

Edw: Atkinson

June 28. 1878.

Com: on Buildings.

1878

[June, 1878?]

Memorandum
for a circular
Dear!

The School of Technology
is not limited either to
Maps or even to New England
It is equally free to all
& aims to be the leading
School for teaching the Industrial
Sciences in the Country
It has now ~~an~~ sufficient
buildings for its present wants,
and ample Land grants for
the city for extension when
necessary.
~~&~~ The Shipping of all values
& the Expression of all
industries here centered
in the two few past years
but with the return of a
sound standard of values &
the renewed confidence in
our material progress the
time seems to have come
to put the Institute upon
a ~~Board~~ ~~of~~ Board of State
~~Inc.~~ Cons
Professor Rogers has come
to the front once more &
is for the time being at his
old post though ~~[illegible]~~
hampered by his state of
health.
In doing this he has
calculated more & than
any of us can possibly

do shall be not meet him
at least half way — promise
the small Calculation he
asks and try to double
it —
The Mobile under his lead
& ~~with~~ with his experience
backed by the redoubtable pluck
& vigor in its commander
may easily be made to
give the great School of
Arts & Sciences Trades which
has made Peri the
resort of all ~~the~~ who seek
to lead the industries of
the world!
The Undersigned a Cmd. adopted
his that purpose now applied
not only to find England

but to the broad gauge
men & women of the
whole Country to aid him
in placing this School in
the same rank with the
~~first~~ best similar institutions
of the old world — & inventors
in many respects our mechanics
and engineers — time of Engine
with fine Steamers ~~daily~~ making
the Atlantic a mere ferry
~~of less than the old~~
~~Sleeping passage~~ ~~at most~~
~~Indian the made of~~ ~~every~~
they should not Engine send
her youth here for industrial
education as China & Japan
are already doing.

J. M. Forbes
Circular
on Technology
when Prof. Rogers took
the Presidency again
1878

Massachusetts Institute of Technology.

The Massachusetts Institute of Technology asks for contributions to sustain it in establishing technical and industrial education upon a comprehensive plan.

In its attempt to do this it has been embarrassed during the past few years by the want of adequate means, and during the last year it has been forced to meet the question, whether it will give up essential parts of its instruction, dispense with some of its trained professors and enter upon the school year beginning next October seriously restricted in its work, or, whether it will rely upon its friends to sustain it and instead of curtailing any part of its teaching endeavor to perfect and improve its methods under the light of experience already gained.

In view of the necessity for more capital, aid was lately asked of the Legislature and much valuable work was done by its chief founder and first President Prof. William B. Rogers in explaining its plans and methods to those who had not been informed before; although this special effort failed the labor was not wasted and it is believed that its new friends will now co-operate with those who have long been connected with it in the present movement to place it beyond any danger of failure.

The late President, Prof. J. D. Runkle after ten years of arduous labor has been obliged to resign and to seek relief in a year's rest. To meet the present emergency

our first President Prof. Rogers has again become the chief officer of the Corporation, and to this committee he has addressed the following letter.

Boston June 12-1878.

Gentlemen;

My health does not permit me at present to take an active part in the efforts to relieve the Institute from its embarrassments, on which we entered so zealously last winter, when application was made to the Legislature for aid.

Although that application failed, the cordial good will and helpful intentions manifested by many while it was pending, give me assurance that our friends, both within and without the Institute, are prepared to come forward with contributions to sustain the school.

I believe it to be of the highest importance to the future of the Institute, that we should be able to make our arrangements during the summer, for the year of the School beginning Oct. 1st, so as to be free from the embarrassments which the want of adequate means has lately imposed upon us; and I feel satisfied that a subscription amounting to $100.000, added to the finances, would place the School in a perfectly safe and satisfactory condition, enabling us to continue the full scope of the school which it is our object to maintain.

May I ask you, as early as possible to take such steps as you may think expedient for commencing a sub-

scription.

Yours very truly
William B. Rogers.

John Cummings Esq. and others.
Committee.

In response to this request, the Committee appeals to the friends of Industrial Education.

The Institute of Technology is not limited in its service to Massachusetts or even to New England.

It is sought by students from every state and from other lands; it aims to be the leading school for teaching the industrial sciences in the country; and with its technical studies it combines a training in other branches suited to qualify its graduates for honorable positions among well instructed men.

It has now sufficient buildings for its present uses and ample land granted by the Commonwealth for extension when necessary.

The shrinkage of all values and the depression of all industries have cramped it for the past few years, but with the return of a sound standard of values and with renewed confidence in our material progress the time seems to have come to put the institute upon a broad and stable basis.

Professor Rogers has come to the front once more and is for the time being at his old post, though hampered by his want of health. In doing this he has contributed more

than any of us can possibly do. Shall we not meet him at least half way? Promise the small contribution he asks and try to double it?

The Institute under his lead and with his experience, backed by the needful youth and vigor in its administration may easily be made to rival the great schools of Industrial Science in Europe which have become so generally the resort of those who seek to lead the industries of the world.

The committee appointed for that purpose, now appeal, not only to New England but to the men and women of our whole country to aid them in placing this school in the same rank with the best similar institutions of the world.

In many respects our mechanics and inventors now surpass those of Europe. Shall we not provide the means by which their ability may be developed and made to serve its utmost purpose for the benefit of all?

Members of the corporation have in previous years contributed over one hundred thousand dollars to sustain it, they now propose to subscribe again to assure its proper development and in this undertaking they ask the friends of the Institute to join.

Boston June 17. 1878.

Massachusetts Institute of Technology

Committee on Subscriptions

John Cummings - Chairman
H. P. Kidder
James L. Little
Wm. Endicott Jr.
Augustus Lowell
E. R. Mudge
J. M. Forbes
David C. Cobb
S. D. Warren
M. D. Ross
Edward Atkinson - Secretary of the Committee

To the Graduates of the Massachusetts
Institute of Technology.

Gentlemen,

The committee of the Corporation appointed to raise funds ask your assistance.

The embarrassments under which the school has lately been conducted for want of adequate means must be removed; to this end several measures have been devised.

The alumni of the school are presently to be requested to nominate a candidate to fill a vacancy in the corporation and the corporation hopes in many ways to avail itself of the cordial good will of the graduates and more and more to secure the benefit of their experience in the conduct of its affairs.

Any subscriptions that you may be able to obtain may be reported to the undersigned.

Boston June 17. 1878.

Edward Atkinson
Secretary

[June 1878]

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M. D. Ross
Edward Atkinson – Secretary of the Committee

Memo.

It is understood by Mr Cummings that Mr Runkle's resignation will be presented tomorrow

Mr Cummings agrees that Mr E. S. Philbrick would make an excellent Executive Treasurer — Mr Philbrick has not been spoken to but I am very sure he will consent to serve if allowed a clerk; certainly he will serve for one year

It is suggested that in view of the resignation of the President — Mr Philbrick be chosen tomorrow — Mr Cummings being then assigned to a place on the Committee on the School

That Mr Philbrick be allowed to employ a clerk at once

That the faculty be requested to meet once more this month and name a chairman — Mr Ordway suggested as being the fit man and intending to remain in Boston this summer

That a committee be appointed to raise money, perhaps the same names as those at the head of the enclosed draft of letter and two more, to wit Mr W B Rogers and ?

That the question of a future President be referred to Committee on School or to a special committee whom you had better pick out, if a special committee is desired

June 1878

[1878?]

(1)

The Committee appointed to consider what action should be taken in the matter of the President's resignation & what provisional organization should be made for conducting the business of the Institute, until a new president shall be chosen, beg to report the following votes for the consideration of the board.

Voted: 1. That in compliance of the wish of the President, that his resignation may be accepted without delay, the Corporation hereby accepts the resignation of Prest. Rumkle on the terms & conditions set forth in his letter addressed to the Corporation.

Voted: 2. That the Corporation are unwilling that Prest. Rumkee should relinquish the position which he has filled so long & so disinterestedly without expressing to him their sense of the great value of his services to the Inst: & that while they gratefully recognise his unflagging devotion to its welfare, they would have him to feel that his labors as its President must always have an honorable place in its History.

Voted 3. That Profr Rumkle have leave of absence for one year, with salary (as Profr) continued, & that he be charged with the duty

of examining & reporting upon the present condition
Technical
of Industrial Education Abroad.

[1887]

Voted 4. That the Corp.n elect one of its own members as President pro tempore, with the title of "Pres: of the Corporation" to hold his office for one year unless a permanent President be chosen within that time — who shall preside at the meetings of the Corporation, shall be ex Officio a member of the "Comm: on the School" & shall preside at the meetings of the Faculty & of the Society of Arts of the Institute wherever he may see fit to be present; but who shall not be charged with any of the business details heretofore committed to the President.

Voted 5. That the financial transactions & details heretofore devolved on the Pres.t & Sec.y, shall be placed in the exclusive charge of the Treasurer, subject to the control of the Corp.n & that the Treas. be authorized to employ a suitable clerk at a salary of — to keep the accounts & attend to the minor details of the office.

Voted 6 That the Sec.y of the Corp.n & Faculty shall hereafter attend to all matters of correspondence relating to the School confer.g when needful with the Treas: & the Comm: on the School for advice or direction.

[1870?]

(3)

Voted 8. That the ~~Professors~~ Faculty of the School be directed to choose a Chairman from its own number to hold office ~~office~~ for one year re-eligible or not as the Corp.n may ~~[illegible]~~ hereafter determine — whose duty it shall be ~~to~~ to preside at the meetings of the Faculty whenever the Pres.t of the Inst. shall not choose to be present — to act as the representative & executive officer of the Faculty in all matters of discipline & in whatever relates to the interests of the students in their connection with the several Depart.s of instruction — in behalf of the Faculty to submit to the Corp.n or the School (and Corp.n) for their consideration such suggestions of improvement in organization discipline & instruction as the Faculty may from time to time consider expedient, and to report ~~(from time to time)~~ ~~stated~~ statedly or hereafter ~~the~~ directed, to the Corporation on the condition & work of the several departments of the School.

T

Report by Prof.
Rogers: on the re-
signation of Prest.
Rumble. June 12/78

Speed.