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Papers, February 1882

"SCIENCE."
TRIBUNE BUILDING, ROOM 17, NEW YORK.

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February 3rd 1882.

To
Professor William B. Rogers
Boston. Mass. —
Dear Sir,

I enclose a prospectus of a Company I am forming to place the above Journal on a sound financial basis, and I should feel myself under a strong obligation if you will interest yourself among those in your City who are likely to cooperate. —

It was only in the 1st of January that I was able to free myself from a troublesome connection with the Journal, which hindered any business steps being taken, and I then became sole owner — I have placed the Journal in trust with Mr F. Thurnard of Yonkers, a wealthy gentleman who will contribute capital in the future, and act as Treasurer — Mr Sidney E. Morse and Mr Abram S Hewitt are also interested in the Company. —

With out any business effort the Journal

has subscribers thinly in every State and goes to all parts of the world. and it is the opinion of business publishers that it would be one of the best paying journals in this Country with suitable capital —

Respectfully
John Mitchell —

I think there are many wealthy gentlemen in your City or with whom you correspond who would like to be connected with such a Journal, bringing many pleasant associations, and Mr Hewitt in a letter to me from Washington received this morning, stated that "he felt it a duty to cooperate a part from any business views." —

Boston Feb 4th 1882

Dear Prof Rogers

A few gentlemen, myself included, propose to hold a meeting at the Institute building on tuesday next at 7-30 P.M. to discuss the feasibility and advisability of forming a mathematical club. If you will favor us with your

presence we shall feel very
much pleased. With kindest
regards for all I am

Yours faithfully
Gaetano Lanza

Prof. Barker. consenting to prepare
Biog. Mem. of Dr. J. W. Draper

3909 Locust St.
Philada Feb. 6. 1882.

My dear Pres. Rogers:-
Your letter of Jan. 30th was received on the 1st. I am very much obliged to you for the compliment implied in nominating me to prepare a Biographical memoir of our dear friend Dr. John William Draper. While I do not feel competent to do justice to the memory of so eminent a man, and while my personal attachment to him was so strong as to make me fear to trust my judgment upon his merits, yet I am very willing to do what I can, espec-

as the family concur with you in making the request. I took your letter to New York on Friday and showed it to Henry Draper. His idea is, I believe, to have the memoir put in type for the meeting in April. Then after the announcement of the death and my appointment to prepare the memoir, it can be read by title and printed copies be distributed to the members. Dr. Draper thinks the reading of biographical memoirs a bore and believes they should be put aside for reference. I shall try hard to complete it for the April meeting.

Hoping your health as also that of Mrs. Rogers, is fully restored, I am Cordially yours

George F. Barker.

funds &c appointed at the April meeting but as this appointment rests with the Prest. to be made annually, I presume I can chose this committee now (having overlooked it last April) to report in April next.

As the Treasurer resides in Washington I think it would be best to have the Committee composed of Washington members.

Please let me know if you think that Meigs & Gile would be suitable for this committee, or whom would you recommend as preferable.

Will you not soon send to all members of the Academy a circular such as was agreed upon

by besides & ourselves, ~~calling~~ ~~upon~~ urging them to have their papers ready at the March meeting in April next, ~~in~~ ~~view~~ ~~anticipation~~ ~~of their~~ ~~been~~ as no publication of papers could be made in the forthcoming report on account of the failure of the members (with one or two exceptions) to furnish them to the Secretary.

W B Rogers.

1 Committee to investigate the experimental methods & results relating to the production of Sorghum Sugar &c embraced in the reports of Dr P. Collier to the U.S. Commr of Agric: & to report on the same & generally on the scientific questions involved in the subject. Messrs Silliman Jr Putnam Chandler & Smith.

2 Committee on Hydrometer Scales Messrs Dilgard J.E. Chandler & Morton.

Boston Feb 7th 1882 copy.

X

Mass. Institute of Technology,
Boston, Feb. 8, 1882.

Professor Wm. B. Rogers,
My dear Sir —

It gives me great pleasure to communicate to you the following resolution which was unanimously passed at the last Annual Meeting of the Alumni Association of the Mass. Institute of Technology.

"Whereas: the Alumni Association wish to express their deep sense of gratitude towards President Rogers for his devotion to the interests of the Institute, and to express to him their earnest hope that his release from the onerous and exhausting duties of the

Presidency of the Institution will bring to him complete recuperation, and whereas, further, the Association wishes to acknowledge President Rojas' warm interest in the welfare of the graduates, and to convey to him an expression of their feeling of personal cordiality toward him,

Resolved:- that the Secretary of the Association be and hereby is directed to invite President Rojas to attend all the future meetings of the Association, and that our Secretary communicate to President Rojas a copy of this preamble and resolution."

Very sincerely yours
Chas. R. Croft,
Secy. Al. Assn.

Nautical Almanac Office.
Bureau of Navigation Navy Department.
Washington Feb. 9th. 1882

Dear President Rogers,

I have supposed that the notice to members about getting their papers ready might be sent in the notification for the annual meeting which I suppose might be issued a month in advance or, at least, befor the end of March. If you think this is not soon enough I will get it up without delay.

I think Meigs and Gill

would be very good for a committee on the treasurers accounts as they both have plenty of time and understand business.

I will notify the committee as you request. Ofcourse the Commissioner of Agriculture should be notified or the chairman at least of the Sorghum Sugar Committee. If you have not done this I can notify him myself.

On my return I found the Academy room here lumbered up with an enormous pile of boxes. As it was impossible to know where to look for anything they may contain in their present situation I am having shelving made to hold the books and papers.

With kind regards to Mr Rogers, I remain

Very truly yours,

Simon Newcomb

President W. B. Rogers,
117 Marlborough Street,
Boston,
Mass.

Boston Feby 10. 1882.

Dear Prof^r Newcomb

Your letter of the 9th inst is just rec^d.

I think that it would be well to send the notice in regard to scientific papers by the first week of March & you might send the notification for the annual meeting at the same time. I do not think it would be too early.

Is there not a record in the minutes of the Nov. meeting of a resolution or request of Prof^r Agassiz asking members to aid the committee appointed to make selections for nominations as Foreign Members, by suggesting names? If so it might be well in the same circular to refer to this.

Please notify each member of the two Committees mentioned in my last letter as early as you can. They are already in most cases informally aware of their appointment & I believe ready to enter on their work.

The Chairmen will be Gillmore for the Sorghum & Chandler for the other Committee.

The Commissioner of Agriculture has been informed of the action of the Academy in regard to the Sorghum Sugar question & has forwarded documents for the use of the Comm^n: & has requested a scientific investigation. It would be proper however for you to send him a notice stating the object of the Committee, such as I sent in my last letter followed by the names of the Committee after you have rec^d from them their acceptance.

I am glad that you are making arrangements for the accomodation of the Books of the Academy.

Will you be good enough to notify Messrs Meigs & Gill of their appointment by me as Comm on the Treasurers Acct & if they accept place their names in the blanks left for them in my two copies of my report which you will receive next week.

With kind regards to your family

I am yours &c

W B R.

Boston Feb.y 10. 1882.

My dear Prof.r Cope.

So very few members of the National Academy (only three including yourself) have sent in their Scientific papers for publication in the forth coming Report of the Academy, that it has been thought inexpedient to introduce this new feature into our Report until next season. In the meantime all the members will I trust be impressed with the desirableness of embodying our Scientific Trans: in full in our Annual Report, & will have their papers in readiness for that purpose, as in the present instance you have so promptly done.

In the notes of your paper read Nov: 1880 there is a dis-agreement between the record of the Stone Sec.ys & that in the American Journal of Science Jan.y 1881.

Please send to Prof. Newcomb the exact titles at your earliest convenience.

Hoping to meet you at the April Meeting in Nov. we will be freighted as usual with the results of your scientific work I am dear Prof.

Yours faithfully

William B. Rogers.

Cambridge Mass
Feb. 12, 1882

Dear President Rogers.

I enclose a line — the last of several, which in different years I have received, from the father of Stimpson the young Zoologist, whose death cut short a career of very great promise — complaining — as well he may — that Mr. Gill of Washington was appointed by the National Academy to write a Memorial, and has never done it. He has been repeatedly spoken to on the subject. I think the result is not creditable. Could

you not have some
one else appointed to
remedy this neglect
now of many years.

Very truly yours
with great respect

Asa Gray

[rcd. 2/12/1882]

So. Lancaster Feb 10 82

Prof. Gray

Dear Sir -

I learned from my grandson Willie Stimpson that you had been to Washington & listened to the address made by Prof Gill Pres. Biological Society -

Did you learn why he has never written Williams biography?

I think some one of the Society ought to move on the subject and that it be done by some one else if he cannot do it.

I have been confined at home sick ever since my return from the South last July -

Very truly yours

H. H. Stimpson

So. Lancaster Feb. 15 1882

Prof. Wm. B. Rogers -

Pres. Nat'l Academy of Sciences

Dear Sir:

I have always understood that the Academy directly after the death of Dr. Wm. Stimpson - {my son} voted to publish a biography of him. Will you inform me if there is any hope that this vote will ever be carried out? My son has been dead ten years -

Very respectfully yours -

H. H. Stimpson

Feby 15. 1882.

Dear Prof^r Gile.

I have rec^d information that the friends of the late Prof^r Stimpson are greatly disappointed that the promised Biog: Memoir has not yet been presented to the Academy.

Such literary tasks are often onerous & you may have overlooked it, or decided not to undertake the work.

Please let me know what is your purpose in regard to the memoir, whether you intend soon to present it or would prefer to have the task assigned to some one else.

If the latter, please suggest to me the name of some member of the Academy to whom I may best apply, as I feel officially

responsible for maintaining this usage of the Academy.

Hoping to see you at the coming meeting in Washington & asking for an early reply I am dear Prof. with kindest regards

Yours faithfully
William B. Rogers.

P.S. I have taken the liberty to choose you & Genl. Meigs for the Committee on the Trust Fund &c of the Academy & have asked Prof. Newcomb to learn if you would serve.

Theo: N. Gill.

117 Marlborough St.
Boston Feb. 16. 1882

Dear Prof. Newcomb.

I am sending you two Copies of my Annual Report One addressed to the Pres^t. of the Senate the other to the Speaker of the House of Rep^s. Please look over the Manuscript with reference to the following Memoranda.

1. I have included in but one of the Copies the usual Appendices A & B. giving the charter and present Organ^n. of the Academy, & beg that you will have omitted these pages Copied & added to the Other MS. before sending it in.

2. I shall be guided by your judgement & that of the

printer as to different Types to be used and the Spacings. I send one of the last Reports of which I think Prof. Helgand for a great number in his paper between the several Subdivisions. I should recommend as in the case of the former Reports the Small Capitals for Headings generally, & the ordinary Letter of Committees & that Italics for Names of Committees the part of Appendix B. preceding list of his Office & dates be in Italics. Perhaps the Report by the Secretary of the Prof. Helgand's Statement regarding the Washington property & your regarding the Walker bequest might be in Small Type, but the last especially your very important Statement relative to "The Velocity of Light Experiments" should be in large type. In regard to this latter, would it not be best to give it a heading like the following?

"Report of proceedings in the Exp.ts on the Velocity of Light"

3. I should like to have Prof. Baird's judgment as well as your own as to the expediency of the remarks at the close of the Report on the proposed publication of the Scientific Papers of the AC: in our Annual Reports.

It seems to me that we ought to state the reasons for this new feature of our Reports, which we may take for granted that it will be admitted & provided for. It would be mortifying if hereafter the Acad: were criticised for making an innovation in its previous usage involving increased expense, without having such notice of the change proposed. Will you kindly show this passage to Prof. Baird?

I mention Roy Baird especially because he greatly assisted me in attempting this expended publication

4. Please add the names of the Pres. of Senate & Speaker of the House of Representatives Letters

5. I have left a space for you to fill with the names of Sub. Treas & Post Sec for Commissioners Funds.

Please have them of the date of the Act of the Reports.

W B R

W B R

117 Marlborough St.,
Boston Feb. 20. 1882

My dear Prof. Cross

I ~~hope~~ must that you will not think me unmindful of your letter enclosing the Resolutions of the Alumni Assoc. although circumstances have caused me to long to delay its acknowledgment.

Let me now beg that you will convey to the Assoc. my heartfelt thanks for the very kind & affectionate letters & words they have referred to my connection with the Institute & for the privilege they have granted me of Fellowship with them in their meetings — and let me further request you to assure them that I value their personal esteem & affection as one of the great distinctions of my life, & that I shall continue ever to take an unremitting interest in the welfare of the Institute & in the happiness & success of its Alumni —

Prof. C. Prof. Alumni Assoc.

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Nautical Almanac Office.
Bureau of Navigation Navy Department.
Washington Feb 20, 1882

My Dear Sir,

The reports have come and I am attending to your points.

Your remarks about presenting memoirs seem eminently proper

Yours &c
S. Newcomb

117 Marlboro St Feb 24 '82

Dear Major Powell

At the coming meeting of the National Academy, it will be my duty after announcing the death of our friend Mr Morgan to appoint some one from the academy to prepare a biographic Notice of the deceased to be presented at the next meeting of the Academy.

Now I have first of all thought of you as specially fitted for the work & if you will under-take it, I shall be glad to announce the appointment at the Washington Meeting. Should you be too much occupied or otherwise indisposed to accept, please aid my choice by suggesting one or more other names that you may think suitable

Yours faithfully
William B. Rogers.

Boston February 25th
1882.

To Hiroyuki Kato.
President of the Dep^ts of Law
Science & Literature.
Tokio Daigaku.

Respected Sir.

I have great pleasure in acknowledging the receipt of the following works, all of which I have placed in the Library of the Mass: Institute of Technology.

1. The Calendar of the Department of Law, Science and Literature for 1880—81.
2. Geology of the Environs of Tokio by David Brauns Ph.D &c No. 4 of Memoirs &c
3. Measurements of the Force of Gravity at Tokio &c. by T. C. Mendenhall Ph.D No 5 of Memoirs &c.

While thanking you in my own behalf & in that of the Institute for this very acceptable gift, I wish to express the high gratification we have received from a perusal of the Curriculum of your University, which, for extent and thoroughness, is worthy of admiration.

Hoping that your University is destined to a permanently high rank among institutions of learning in the world, & with my personal respects to yourself & your able associates, I am dear Sir

Your Obt. Servant
William B Rogers.
Late Pres't. Mass. Inst't of Technology.

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ALLEGHENY OBSERVATORY.
ALLEGHENY, PENNSYLVANIA.

Feby 27th/82

My dear Sir

I had written Mr Lowell, and received his acknowledgment of my acceptance before receiving your letter. The delay was owing to the sad errand which took me away, and I am obliged to you for your kind expression of sympathy in it

To owe to you the occasion to lecture in Boston, next winter, is to add to the pleasure, I have in the prospect,

I have not decided on

the title, but the subject will be connected with Astro-physics.

I have been occupied since my return from California in the preparation for publication of the results of the Expedition, which involves a great amount of labor. The publication will probably be by the Government through the Signal Service, but if I offered any paper for the Transactions of which you speak, it would be in connection with these researches which seem to me to be of deep interest.

All students think this, no doubt of their own studies; but here the results, if true, are of such importance that I may hope others will care for them. I had supposed that in announcing that the the earth temperature under a mid-day sun at the Equator, would not rise to −40° C. in the absence of the quality of selective absorption in our atmosphere; that owing to this, we had supposed the sun white, when it was blue; etc, I should have the air of uttering somewhat of a novelty.

But as no one appears to pay much attention, I shall be glad to say it again – louder – in the

"Transactions" if you speak of if such opinions, can find admission before so orthodox a Scientific body.

Will you please present my best respects to Mrs. Rogers?

Believe me, most truly Yours

S. P. Langley.

Prof. W. B. Rogers.

X

University of Virginia. 27 Feb 1882

My dear Mr Rogers.

The sight of the well-known hand-writing gave us a genuine feeling of delight. Even before the seal was broken, the good long letter written all in your own hand, satisfied us that you were well and strong. Your cordial references to and inquiries about "the University" and its recent history show, to our great pleasure, the continuance of that interest of which you have given us so many proofs in the past.

A committee was appointed by the Board of Visitors last July, to take charge of the matter of finding a suitable nominee for the directorship of the Milwaukee Observatory, and also to superintend the work of preparing the foundations of the Observatory building.

As to the latter part of their duty, they visited Prof Asaph Hall, examined the various localities in this neighbourhood, & when the old observatory mountain had been unanimously selected as on the whole the best available position, they proceeded to test its steadiness, during the passage of freight trains on the neighboring

railways. by observations on images of stars in a mercurial horizon, or by substitution of a lamp & collimating telescope on cloudy nights. The last being satisfactorily borne, the outlines of the foundations of dome & pier were marked out, the excavations made & brickwork carried up to the level of the ground, in accordance with specifications made by our Prof. of Engineering. It was interesting to find in making these excavations that, from the remains of an old wall unearthed, the centre of the new dome will be only a few feet away from that of the small edifice, erected there, according to tradition, by Mr Jefferson for an Observatory. The Committee think it wise to proceed no further at present with the building, in the hope that an Astronomer will be selected, in time to superintend ~~the~~ further progress, before the building season shall have passed.

As regards this more important function of the Committee (the discovery of a suitable incumbent for the new Chair), you are aware that we tried hard, last session, to induce Prof Hall to accept the place, but without success. The Board then, under advice, named the following list, to be tried in order, Lewis, Burnham, Stone & Holden. Dr Lewis was telegraphed to & also written to. He telegraphed back "Probably no", & promptly wrote a courteous letter, at some length, saying that he was compelled to remain at Cordoba for perhaps nearly two years yet, & in effect, that he did not wish to bind himself to accept the place then; but he gave us good reason to think that he would be glad to have the "refusal" of it. We were much disappointed, as the Dr. is well known to several gen. who believe he would make a first-class director.

Inquiries were then (late in November) set on foot with reference to Mr Stone, (Mr Burnham being thought to be inaccessible & an offer & perhaps not as well versed in mathematical astronomy as was desirable). We did not feel authorized to open negotiations with him personally, in view of the impending change of the Board, by act of the Legislature. Our inquiries were answered rather vaguely on some points, but on the whole

satisfactorily – so that if matters move on smoothly for the next few weeks, I should not be surprised if the Committee were to make the offer to Prof: Stowe & in the event of his consenting, send in his name to Mr. McCormick for nomination to the Board – Time will soon decide.

I was asked to make inquiries in England with reference to this chair. It was thought that a fit incumbent might readily be found there. But to my surprise, I soon discovered that every "conspicuously good man" was in demand at home. The Astronomer Royal took a very kind interest in the matter, but after a week or more of reflection & inquiring, could only suggest one name – that of Col Tupman. He was highly spoken of also by Prof. Tait of Edinburgh: but in consequence of my missing a letter of Mr Chrystie's, which covered Col. T's address, I failed to get a personal interview with him, & could give no description or testimony of my own in regard to him. When I returned home – Subsequent inquiries through other channels in regard to this gentleman were not thought sufficiently promising to warrant our departing from the list named by the Board of Visitors. We are only waiting now till our fate

[2/27/1882]

with the Legislature, is settled, to decide upon the next step. The session of the Legislature expires with this week, and the Governor will not (probably) call an Extra session. The "University bill" (ejecting the present board & providing for a new board: who will of course be réélections) may not be reached. Should it be passed however, we would not feel authorized to move in the matter, before the new board shall have indicated their will.

Prof Fontaine told me last summer that the printing of his work on fossil plants of the Mesozoic, and the engraving of his elaborate drawings were all satisfactorily provided for, thanks to some kindly directed influence. I presume the work is in progress now. His campaign last summer along the Potsdam formation from Balcony Falls to Tuckahoe was productive not only of benefit to his students but helped him to a clearer view of the exact position & relations of the Archaean & the Primal rocks, especially in that part of the Ridge near Tuckahoe. I understood him to say

that he had found an trustworthy criterion of the base of the Primal Rocks. I fancied from his remarks that he had lighted upon your P. Conglomerate. I hope he will write to you on the subject, if he has not done so already.

Our two daughters, Ellen & Lelia are now in N. York, 29 W. Washington Square. They have been there for a month & will remain probably till May. They are hard at work, Ellen at her vocal music, for which she has shown some talent, & Lelia at her painting. Then mother & I both thought it prudent for them to prepare themselves for earning a livelihood in case we should be deprived of our home here. I am glad to say they are very zealous in their work, and are, I believe, making commendable progress. They will be delighted to hear that Mr Rogers has enquired after them, and will be glad to call upon her, if she visits N. Y. and will kindly let them know her address.

Lelia's portrait of yourself hangs now in the Library next to that of W. Bonnycastle. Your friends all profess to find it an excellent likeness. I think myself that it shows to great advantage as a mere painting by the side of the rather second rate paintings that are said to adorn our rotunda. I thought the expression she gave the portrait was rather too stern, but she shut my mouth by showing me the photograph which was sent to her as a guide and telling me that Mr Rogers had expressly selected it in preference to the profile likeness which I liked so much. Col. Venable too set me down by saying that he much preferred the painting as it is. It bears the modest inscription in small gilt letters on a separate shield beneath the frame.

Prof. W. B. Rogers.
Presented by C. S. V.

I am very sorry to say that your attached little friend Mary has been ailing for several days with a return of her old pain in the back. It is not an acute attack however, the first she has had since last year

in hope she will be out shortly. She sends abundance of love to Aunt Emma & Uncle William. She was delighted by your kind thought of her last Christmas.

I congratulate you on your relief at last from the burdens of the Presidency of your great Institute and upon your good fortune in getting such a successor as Gen. Walker. For it would have been scarcely a relief to you, had you been followed by an ordinary man – I look upon the continued usefulness & Expansion of the Institute as virtually insured by this happy appointment.

I must renew to you directly the thanks I sent last summer by Harry for your valued letter of introduction to Sir W Thomson. I was so unlucky as to miss Sir Wm both in Paris & Glasgow – I found out too late that I was in Whites Instrument Shop one day when he was also there & standing near me – I left the letter for him. I saw his Lecture room & Laboratory minutely with the aid of his Obliging assistant. I examined also particularly Prof Tait's Equipment at Edinburgh & the Cavendish & Clarendon Laboratories at Cambridge & Oxford. I may say that I saw nothing superior to what I had seen in our own Country, and almost nothing quite so good and convenient as I think a Laboratory ought to be. Indeed I came home quite well persuaded that in scientific Equipment one need not go abroad to see almost all that is Excellent. The day I spent at Meudon was one I shall ever mark with white. Prof Janssen is a glorious old man – & the Govt. is building him a fitting palace on the old royal site. It will be a magnificent observatory. He loaded us with photographs & monographs, to our delight when we left. He talked French & we talked American & we got along very pleasantly. The Elec. Exh. was a disappointment. I spent a great deal of time there – immense mechanical detail – but little that was new in development of principle. The historical Collection

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was to me the most interesting part of the display. Pacinotti's anticipation of the Gramme Armature, Volta's Condenser & Electrophorus & Pile – Faraday's plain and even humble contrivances, & coming down to recent times Cornu's apparatus for velocity of light.

Edison's rooms appeared to me the most attractive part of the Exhibition. Dr Barker, whom you probably remember E. alluded to in one of his publications – in the familiar nickname of 'Barkey', was frequently in the apartments & seemed to know all about E's secrets. Indeed I feel obliged to him for explanation of several interesting inventions of "the inventor" as he is now commonly in England.

I went abroad by medical advice, and cannot reproach myself with many neglected exercise; or caution in regard to every thing but fatigue. but I did not get rid of my old enemy. I have however been stronger this winter than the last, & have missed no lectures from sickness. I did not expect to get so great a benefit as the Dr. looked for from my journey. so cannot say that I am disappointed.

Please say to Mrs Rogers, with my affectionate remembrance, that the schoolmaster is abroad and has reached the wilds of Texas; as witness the following postal which came to-day

Prof of Nat. Phil. Univ Va.

Texas 17 2 1882

Dear Sir Does motion travel?

Yours respectfully Jno Y. Moses.

This is very encouraging. "We owe much to the Jews" as Charles Lamb said, — I believe I once refer him to his ancestor, the Wandering Jew. I have been trying to abstract motion from matter. The nearest I have come to it, is the shadow of a flying bird or ball, & next to that, wave-motion.

The puzzles of the ignorant very often resemble the subtleties of the student. I think I could match many of the hard nuts of the Synod of Dort and the Westminster Divines, with the original theological troubles of the Reverend Thornton Jackson, a woolly headed African preacher of this place, who has a skull shaped like the Pyramid of Cheops.

Mrs Harrison, to my great comfort, is now living with us. She and many, with the rest of us

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have lately had a great sorrow in the death of Charles Carter Harrison, 3d son of Dr Septimus Harrison. He left a widow but no children. She had been farming near Howardsville Va. since the war.

It was in nursing this son through a critical attack of Camp fever in 1862, that Dr H. contracted the disease, which killed him.

Mrs Harrison & Mary both send affectionately from me in saluting Mrs Rogers & yourself and wishing you health and happiness —

Your old & obliged pupil

Francis H. Smith