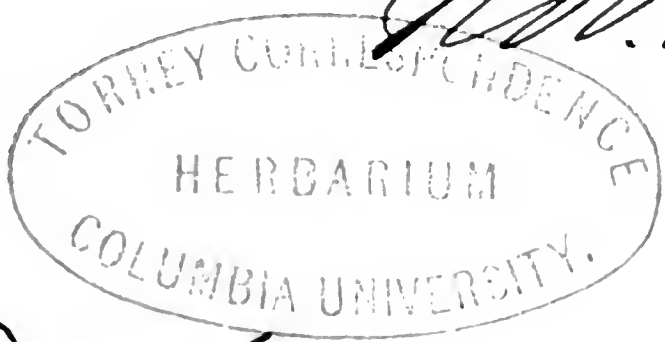


Thomas Nuttall

Detroit Mich:

Nov. 5<sup>th</sup> / 53



My Dear Doctor,

Just a week since I returned home from the Pac. R. R. Exped. and am remaining here to rest myself, with some members of my family here. I left St. Pate and the rest of our Company at San Antonio Texas whence they will come on in a few days now. They waited for the total decline of the yellow fever in the South. but I was so anxious to get back that I started on beforehand. I found all safe & well, as I trust are yours. I wrote to you a couple of notes but it may be, from imperfect

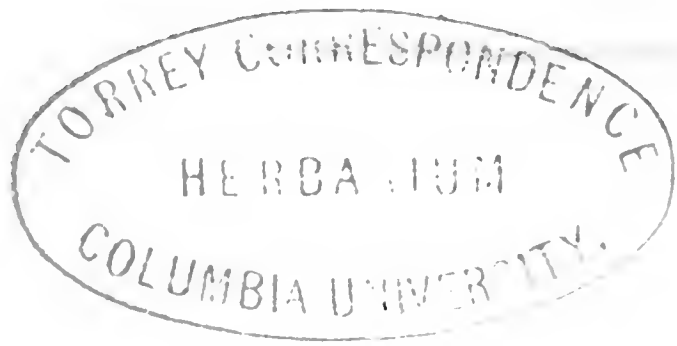
postages, that they never reached  
you: Mr. Parke will bring on  
to you the collection of plants  
which I made: some of them  
I have made in the winter in  
California. I am afraid I could  
not dry well enough & you may  
be disappointed in their appearance.

I enclose you a list of the Camp  
stations we made during our  
trip & as the sheets are marked  
to correspond it will assist you  
in determining the locality.

By returning home so much  
later than I expected, I have  
been too late for my place in the  
Med. School Pittsfield, & after  
this business is over which will  
be in a couple of months when our  
report has to be sent, I do not  
then clearly see my way. - Can  
you say what progress has been

made in the Cooper Institute - I  
would so like to get a place in it.  
I had made arrangements to  
return to San Francisco: but it took  
so much longer time to cross thro'  
N. Mexico than Parke imagined &  
besides having been attacked rather  
severely by dysentery. I thought  
it better to come north for the  
winter than to return thro' a  
warm climate so soon. I  
therefore wrote a declension of the  
California offer, which odd enough  
was in connection with that "Mineral"  
-asphalte- it sticks like pitch  
to one - I hope to be down  
in New York in a few weeks  
at the farthest, when I will  
do myself the pleasure of seeing  
you, & should you have the  
leisure or feel inclined to

Write me a few lines. I should  
be glad if a favor  
by your truly obliged  
Thomas Nuttall



Prof. Geo. Torrey,

96 St Marks place  
N.Y.

2  
Washington D.C.  
Feb'y. 22<sup>nd</sup> - 56



My Dear Dr.

Yours of the 18<sup>th</sup> came duly to hand, and in reply to your two queries concerning the collection of plants I am directed to say - that at the end of three (or perhaps 4 months) your communication will be expected, the funds of the appropriation being pretty well exhausted. Dr. R. begs me state he has set aside \$200 or \$250 for the Bot. report: & to know if that sum will bear any relation to the amount of work involved in your report.

You ask me how long my stay in W. may be - the report will not be completed for 4 months to come, & I am here I suppose certainly that time - I will not take another Expedition, should it be offered to me - & desire to settle down somewhere with my family - & since I have broken through my acquaintance & arrangements in New York - it would be scarcely worth

while to return there to renew a struggle  
for a Competence: I suppose I may as well  
try this atmosphere, & see if I can live upon  
any stray waifs of Scientific Examinations  
which may float along here = Even in that I  
Expect my chance to be slight, inasmuch as  
the Laboratory department of the Smith<sup>n</sup> Inst<sup>n</sup>  
was organized last fall by the Appointment  
of a young Chemist Dr. Easter (from Baltimore  
I believe) into whose hands will be thrown  
whatever business goes to that quarter.  
That same Laboratory is at present a most  
creditable representation of a Chemist's work room -  
without, furnace - sand bath - dome - or any  
of the little neatnesses required for Manipulation  
I suspect however it is in vastly better order than  
when L. Smith worked in it - Indeed I think  
it was a room underneath - the present one is on  
a level with the Entrance & Library & Hall.  
I sit & work chiefly in the Laboratory & opening  
out from it is the large room at the East end - occupied  
as a "locus in quo" the Minerals of the surveys lie strewn  
on tables scattered over one half the floor - while the  
other portion of the room is the reception room for  
Books, Contributions & forwarded to the Inst<sup>n</sup> from which  
they are taken (having been dusted & sorted previously) to  
the Library = Could not a Collection of Minerals  
be made & a Geological department made in this

Institution? — I see very little of Dr. Henry — have met him once or twice, but do not think we have advanced in acquaintance — Messrs Baird & Girard I also have gotten to know, but as I do not know any thing about Natural History & they do not talk Chemically — our conversation is limited to generalities

I see that Regnault has been lately formulating the Boiling of water for determination of heights and I have been calculating with his formula & it gives results equal to the Barometer — the variation not being more than 6 feet per thousand — The modified formula is  $h = 517 T + T^2$   $h$  being the height,  $T$  the lowering of the Boiling in degrees reckoning from  $212^\circ$  downwards. This formula holds good for 10,000 feet altitude = Since this is so correct would it not be well to recommend it as an additional & easy means of determining heights on these Expeditions, when Barometers get Broken so frequently — we carried out seven B's & brought home one safe — a portable thermometer apparatus might be made for the purpose? — Captain Seton's carried out something of the kind but it was broken; what do you think of it.

I have been reading Laurent's *Method de Chimie* & think if I were teaching again — I should be very apt to introduce his "even numbers" & his "monads" & "dyads" to a class. They have many advantages over Electro-Chemical formulae — but what could one do with his double atoms — Thus  $H^2Cl^2 - H^2O$

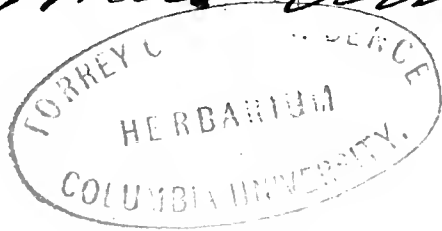
or worse  $H^2$  for uncombined hydrogen while combined  
Hydr<sup>n</sup> is H simply - calling the latter an atom &  
the former a molecule - In the organic department  
its adoption has numerous advantages. -

Have you any experience of the determination of Copper  
by Sulpho Cyanide of Potassium - it is said to be more  
accurate than the determination by way of oxide - the process  
is this - Dissolve the Copper (ore) in  $NO_5 H_2O$  - & dilute  
pass Sulphuric Acid gas into the mixture & while  
the sol<sup>n</sup> is faintly impregnated with the gas - add Sulpho  
Cyanide of Pot<sup>m</sup> to the solution - this precipitates all the  
Copper as Sulpho Cyanide & precip<sup>s</sup> - nothing else.  
The Iron is kept as protoxide by the  $SO_2$  - the copper is  
calculated from the weight of S. Cyanide. -

Excuse this "Ma podrica" from

Yours Sincerely

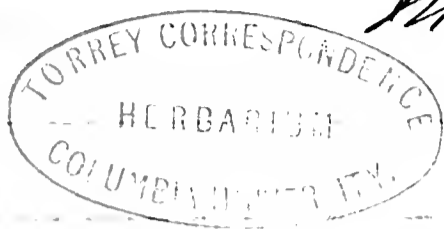
Thomas Armitage





Washington D.C.  
March 6<sup>th</sup> - 56

My Dear Doctor



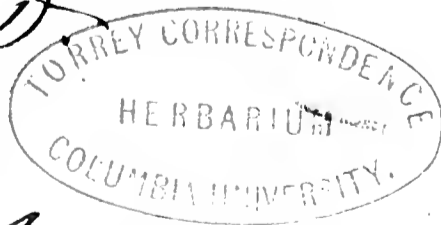
St. Purke has written to me asking for an estimate of no. & cost of drawings necessary for illustrating the report. & has desired me also communicate with you to know if there will be required any illustrations of plants for your report, & if so what the probable number of drawings would be. I scarcely think you had time to look through them yet, to know if there be any new species to be described, or worthy of illustration but if you have had the time, you will be good enough to let me know.

They are now engaged in the Smithsonian putting up the Iron work of the new Sand Bath Furnace & the room will look more like a laboratory than a museum as it did before. There is much wanted however a good balance the one here is by Saxton & the delicate is Cluney and not to be compared with an Artting and the weights, bear a certain true relation to each other, but what relation they have to Avoir-du-poids or Centesimal weights; it is rather hard

to say - The gas is introduced into the laboratory  
in iron pipe to the pillars & thence to the tables  
in Caoutchouc, there is a gas blowpipe here a  
good feature of the room. Dr. Easter who presides  
has received either his whole, or his final Education  
under Liebig (at Munich I presume) & he has  
less of the Manifest destiny of that school - than  
any man I have ever seen, for to do the  
disciples of Liebig credit, Organic Chemistry is to  
them the "magna pars" of the Art, & formulizing  
the whole business when they write papers.

You ask me about the N<sup>o</sup>. Carolina Copper business -  
I have not heard from them since I left N.Y. & almost  
thought they had given up the matter for some time.  
I confess, I scarcely like to engage in Manufacturing Chem<sup>y</sup>,  
or to undertake so important a pecuniary transaction when  
my practical acquaintance is so trifling; and would feel  
sorry if the necessity to live would compel me to take  
it - otherwise their arrangement with me was liberal; &  
I have not given them a refusal; the cold winter has  
I suppose checked operations there.

I am my. s. s.  
Yours Sincerely  
Thomas Antisell



Washington Oct 22<sup>4</sup>  
and Oct 23<sup>56</sup>



My Dear Doctor,

As you mentioned to me when I saw you that your report was completed - if you forward it to me with the drawings &c I will take charge of them & of your interests therein. We are beginning to close up now, & our work will be completed in one month hence.

I have sent on to Hall (on my own part) some of the fossils collected, so that every thing may be all correct - I will not take him long to do

it up (a couple of weeks I expect)

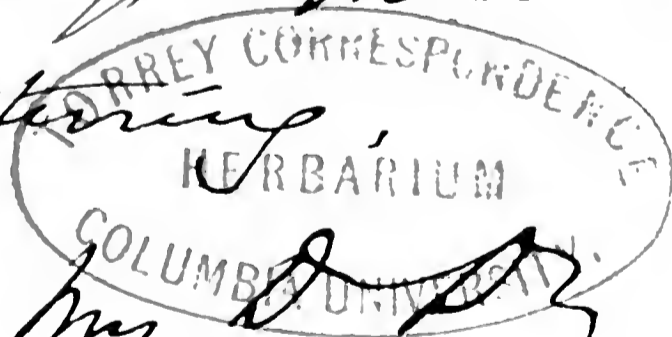
Blake has not turned up here this autumn; his connection with the War Dept has ceased, & I am afraid he has left such an unfavorable impression of geologists in general at Headquarters that no success is likely to be appointed.

There is nothing new here as there is no congress - there is absolutely nothing stirring.

I am my

Yours faithfully  
Thomas Antisell

Prof. J. Torrey M.D.



Recd. Nov 27.  
(sent drawings & receipt  
by Express?)

Washington 355 I. St

Nov. 12<sup>th</sup> 1836

My Dear Doctor,



Received per Express the parcel  
containing your MSS & accompanying letter  
as also upon to day your later note of the 9<sup>th</sup>  
I should have acknowledged the receipt of the  
MS. but that I was waiting for an answer about  
it from Lieut Parke,

I was glad to find that I had accidentally  
picked up a few new species & am sorry that  
that the new genus I stumbled on should have  
been previously laid hold of by Mr Thunberg. I  
suppose it is as difficult for Botanists to find a  
new genus as it is to obtain a new element with  
Chemists. I see among the Collection no notice of  
any plants from the Ingham district - I thought  
I had sent you the Amaryllidaceous specimens of *Compositae*  
chiefly, which are I suppose identical with those  
larger varieties of Los Angeles Valley.

The proper title for the plates is just as you wrote  
it viz -

U. S. I. R. R. Ex & Survey - 32<sup>nd</sup> Par. & Cal.

This is to be in single line Capitals above & near the  
border line at the upper left hand corner &  
the word BOTANY similarly on the right side  
just preceding the number of the plate.

Mr. Seaman has been under some mistake in  
getting the drawings from you as they were not  
required for the preliminary report but for the  
final one, which has not yet gone into the printer's  
hands so that there is no immediate hurry to the  
Engraver; The drawings ought to have come along  
here with the report. Mr. Park has written to  
Seaman about them. - Mr. P. also says that  
a special voucher will be required for the small  
sum paid to the Copyist else it will unbarash him.  
In your next communication to me you could  
send one along -

I have pleasure in forwarding you the  
enclosed Treasury order for two hundred &  
thirty eight (\$238) dollars being the total

Amount for the Report & the Drawings,  
we thought it better to send both sums to you  
rather than send a separate Order for the Drawings.

Every thing here is in the "back yard" of dulness  
nobody here, even in this little word of Science,  
and nothing new of any kind.

Yours sincerely

Thomas Nuttall

Prof. John Torrey M.D.



New York.

P.S. I forgot to mention that St. Parke  
says it will be necessary for us to obtain the  
drawings from the Engraver, as soon as  
he has done with them: will you be good  
enough to drop him a line to that effect.

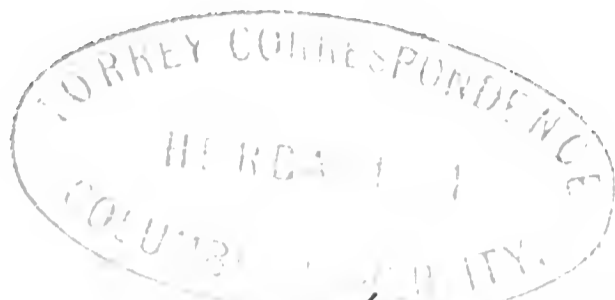




Washington D.C. 6

Dec. 9th 1856

My Dear Dexter.



Your note of the 27th ult  
has lain by me some time un-  
-answered not exactly through  
neglect, but through a desire  
to make the most of the remaining  
time allotted to me to clear up  
this report: they have notified us  
that the papers must all go in  
at the close of this month & I have  
been delayed waiting to get some  
intelligence from Mr. Conrad to whom  
some of my tertiary mollusc shells  
went - Will you send me the preface  
or introduction to your B.N. Report which  
you said you would forward.

Let me thank you for the good  
word you "put in" for me to Prof.  
Henry. I first learned it the other  
day in calling upon him to ask  
him to speak to Comr. Mason  
to give me some Chemical work  
under the <sup>\$</sup>75,000 grant made to the  
Pat. Office for Agricultural Uses.  
He (D.H.) promised willingly but  
it will not amount to much as I have  
since learned that there will be little  
done in that way & what is that  
monopolizing genius of Boston D.C.T.  
Jackson will be likely to get it.  
I suppose therefore that I shall  
have to return to N.Y. next month  
& see on which wave of that busy  
shore I can float my bark.  
There is nothing here for Chemist,  
the little business which comes to

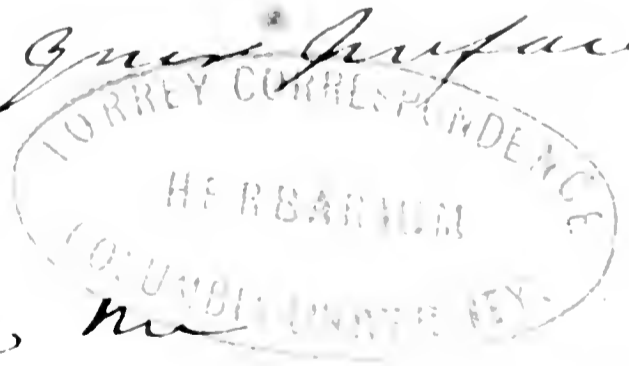
The Smiths man hardly suffices  
to keep young Easton's soul steady  
together - Indeed he had during sum-  
-mer a liver attack perhaps from  
living too much in the lower part  
of the city - which no doubt he never  
would have done if he could have  
afforded better. - Dr. Henry ought  
to get up a museum of minerals  
oreils & fossils which workers here  
might use for Comparison with  
their specimens - there are no facilities  
in the institution except for stuffing  
birds - You can make liquid analyses  
with a Saxton balance - not very trust-  
-worthy, but no dry assays can as  
yet be made - Prof. H. is so afraid  
that a museum will grow up about  
him that he closes his ears to any  
application involving expenses

The Secy. of War has made no de-  
-mand for an additional grant  
for R.R. Surveys as perhaps he does  
not wish to take the wind out of the  
Sails of the next Cabinet

The Land Commissioner has recom-  
-mended that a Geologist be sent  
out to N. Mexico to report upon the  
Silver Mines of that Locality. No  
Action has as yet been taken in  
that regard.

Is the field still open in the  
City for a Commercial Analyst?  
When you send me your papers  
drop me a line &  
Believe me  
Yours sincerely  
Thomas Aristotle

Prof. John Torrey M.D.

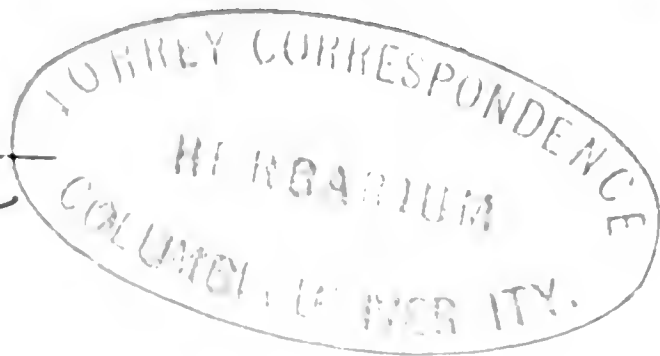


Recd. And.

March 20 / Washington D.C.

March 19<sup>th</sup> 57

My Dear Doctor



As I cannot learn that  
as yet any nomination has  
been made to Westpoint I  
begin to think that I ought  
to be a candidate for it: There  
does not appear to be any one  
in waiting in this City for  
occupation in Chemistry. &  
what I write to you about is  
that if you have not given  
your interest away to any one  
that you would use it for me

It is necessary as you know for  
the recommendation of the Comdi.  
data to be made through the  
Engineer department over  
which you & Mr. J. M. J. presides  
do you know him?; or could  
you give me a general letter  
as to my suitability for the  
place: if you can will you  
let me have it at your conveni-  
-ence as I shall make application  
for it at once

That Bill for the improvement  
of the Patent which if passed  
would have made a vacancy for  
me - dropped through & was neg-  
-lected in the hurry of the last

Moments of Congress - so that hope  
deserted me.

The few lines I sent you last  
were intended to serve as a <sup>pre-</sup>face  
upon which you were to hang a  
few prefatory remarks upon your  
report.

I am D. D. D.

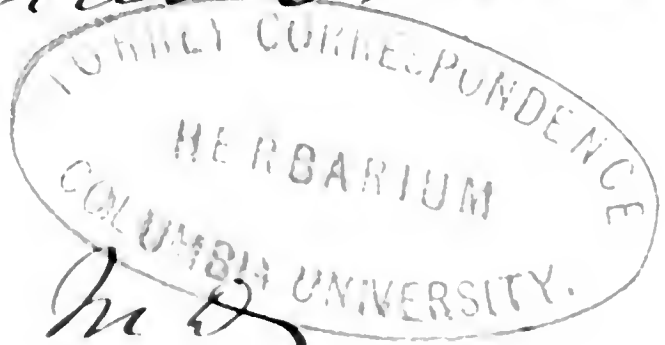
Yours sincerely

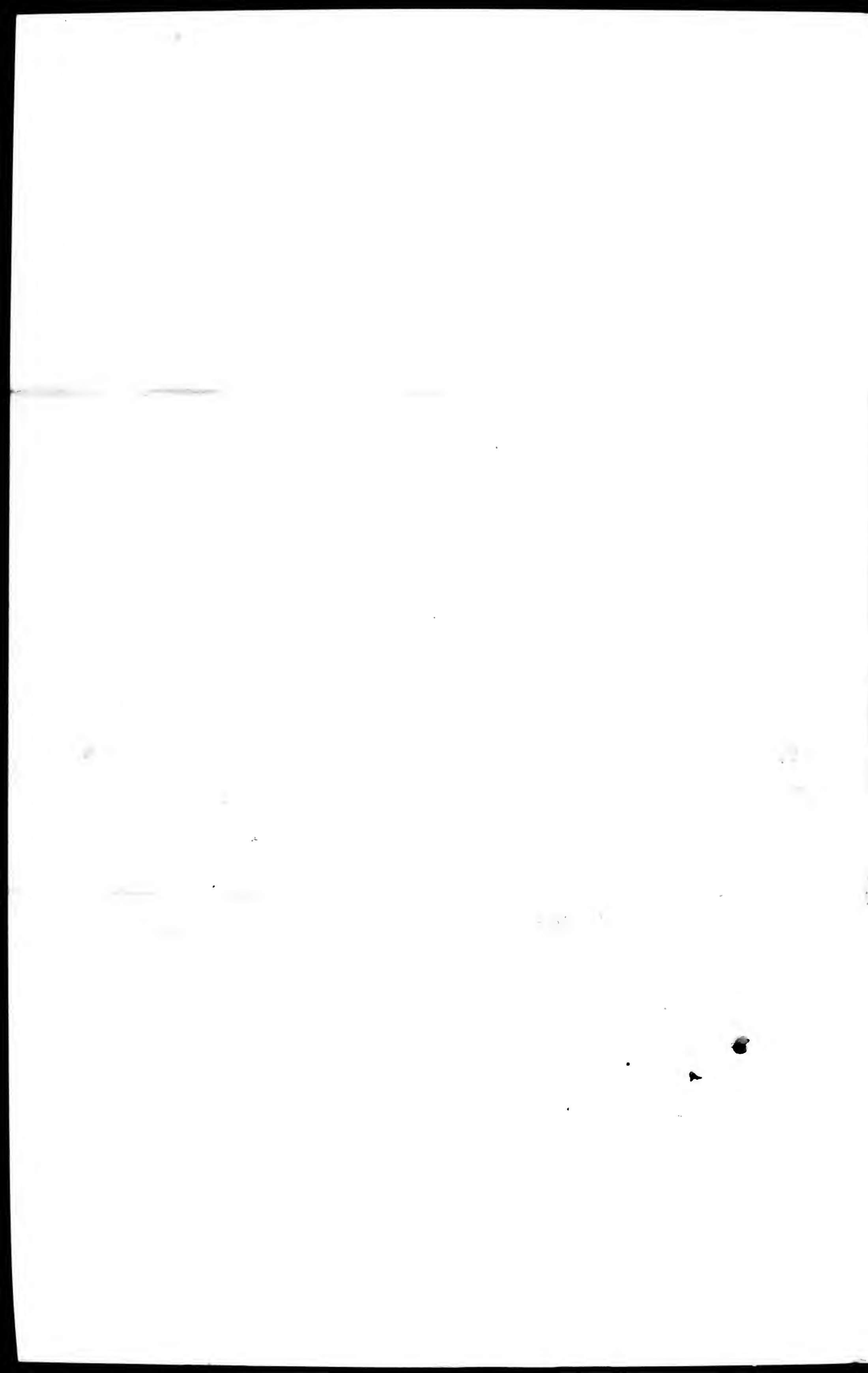
Thomas Arthur

Prof John Torrey M.D.

&c

New York







8

Washington D.C.  
355 I St

June 20 1857

My Dear Doctor



I suppose that it may have reached you by a slight paragraph that I have been shielded here by being appointed to a place in the Patent Office (Assistant Exam in the Chemical Department) made vacant by the death of Gysowski - I have been just a week in office & I suppose I can form some idea of it: it is very much in arrears & the business savors too much of Clerical habits to be very palatable & could I have been free to choose I should not choose to hold it. but the Augusta (very angusta indeed) res domi - compelled me to look for it - My inability to do any business here either

Medical or Chemical & my desire to remain here on account of family, led to my living out, not only all my means but into debt considerably = and what will not one do when they get a few hundred dollars into debt. Place four five inches in the breadth of the waistband = so I got Mr. Cass to ask for & after delays & actions I received it the other day, such manœuvring & personal applications for a small matter (\$1800) as a government place makes one feel degraded - I know it made me feel so -

So here I am my dear Dr. until something better turns up "ala Micawber" - & nothing remains for me but to employ my leisure with the pen & retort or test tube I sent you Copy of little Socy's little proceedings some time ago to advise you that I was in the flesh. & I will keep you occasionally so informed I wish to know if you go to Montreal next August to Assoc. Meeting - if so I have two

papers with drawings, which if you will take  
charge of I should feel gratified they will  
be completed in a week - they are on the geology  
of the route travelled over by us - I have  
ceased to be a member of the Acad<sup>y</sup> for some years  
& do not desire to be renewed - perhaps therefore  
the papers are not presentable - how is that?  
If you do not go I would send them to Hall  
but as I know him but slightly I do not care  
to trouble him -

I am in the same office with Dr. Gale  
Whom I know is to like better - but both he  
& Schaffer stand on ticklish ground here, if the  
Secretary <sup>of the Interior,</sup> could only do what he wants to - that  
is introduce political partisanship into this office  
but for their sakes I hope he will not succeed:

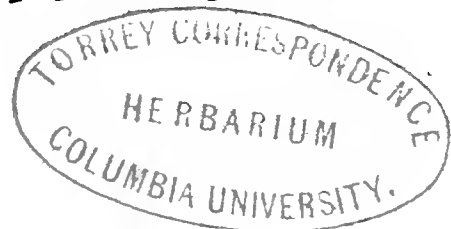
The Secy & Commis<sup>rs</sup> Mason are at loggerheads about  
who has the right to appoint, & the Attorney Gen<sup>l</sup>  
has to decide the question, the 1<sup>st</sup> of next month  
will quiet the hopes & fears of many holders  
on.

I am afraid that I have bored  
you with the personal pronoun too long

You will therefore on turning this page be glad  
to find that I draw to a close. I enclose  
you your letter to Gen. Totten which some time  
ago you were good enough to give me. I of course  
made no use of it as I ascertained the day after  
I wrote you that it had been given to Kendrick  
& passed by the Senate the last night of Congress.

With many thanks my Dr.  
Dexter for your uniform kindness  
to me believe me  
Yours sincerely

Thomas Antisile



Prof J. Torrey Esq  
U.S. Army Office  
Oriskany  
N.Y.

Washington, 300 Ninth St

April 12. 1858



My Dear Doctor,

I had been thinking for some time past by what means or under what cover of excuse, I might address you for I take shame to myself in being so indolent to correspond & so seemingly forgetful of those who have been so active & energetic for me: you have solved this Gordian knot for me, & I hasten to reply to yours of the 8<sup>th</sup> recd this morning; and first, amid the avalanche of removals I remain: I have the sole charge of the Chemical room, & under the plea of economy they will not at present give me any help - it is very hard work for 6 hours a day but easily earned money taken altogether: there is no fear of my going out until this government goes out also, as I came in on the Cass interest; I was equally sorry for Schaeffer's removal as you were - but it was inevitable he was mentally unfitted for the mode of doing business in the way the law is construed this last few years he made himself so unpopular with patent agents that they brought all their interest to play & succeeded against ~~them~~; Entire yours

altho' not so well posted up, Gale was a harder  
working & more practical man & a greater loss to the Office  
He is a man for whom I have a great affection,  
Peale still remains in office: the tenure I believe  
rather slight: You will not see me at Baltimore  
as I have nothing to give to that family party & I  
cannot leave here at present: we like Washington  
well, pleasant society; but I do not like my occupa-  
tion very well I want to get into a College of some  
standing but have met with so many disappointments  
that I have almost despaired. Once or twice the idea  
of going back to Ireland crossed my mind but the wife  
& children forbade it. An offer was made to me last  
fall to go to Mexico (Sonora) & make a mineral survey  
with a good salary attached: I accepted; revolution came  
on, & when I was to have started in Nov. things there & since  
have looked so squally that I of course held on here in  
preference: in the meantime a vacancy occurred here in the Office  
& they declined to promote me as I was uncertain to stay - and  
worse still an offer of the Chemical Chair of Col: P.M. in this Dist.  
was made me which I was compelled to decline for some reason  
& now I am without either - The little laboratory which is here  
attached to the Office is not very well fitted up, but I manage  
to do a little work: I have been going over Hatchett's experiments  
on Artificial Tannin, cannot verify all his results: but I find  
that boiling  $SO_3^{HO}$  acts on powdered resin so as to whiten & decompose it

into water, Charcoal, & a few drops of an Ethereal body like the  
heavy oil of wine formed when making  $C_2H_4$  from Alcohol &  $SO_2, H_2O$   
The charcoal is very fine ~~powder~~ in scales & perfectly pure —  
would it not be a good method of MS. pure Charcoal for abstract  
determination? = when cold  $SO_2, H_2O$  & resin act together a  
brown powder is the result which appears to be an union of the  
 $SO_2$  with the resin acids: it is literally permanent in the air but  
I find it difficult to examine as when placed in  $H_2O$  it separates  
the Sulphuric Acid at once & white resin falls = in Alcohol this  
change comes on more slowly = under Turpentine it preserves well for some  
days but gradually the Turpentine darkens thickens & the whole becomes  
a pasty homogeneous mass. I enclose you some of the Compound  
of acid & resin — I hope ultimately to do something with it. I  
have had to lay it by to take up some Silver (Galena) ores &  
some Aerif. pyrites for determination — the ores come from Sonora.  
I should like to have a little "Iridosmine" = I got a sample  
of Gypsum in <sup>white</sup> powder the other day from Amherst County Va —  
which yielded me only 10 Grains or 1 Eq. of water: it was in  
groups of degradation from a variety of Rhomboidal Selenites.  
I have not seen it any where stated as containing only 1 Eq. of  $H_2O$ .  
The 7<sup>th</sup> Vol. of the P.R.R. Repts. is binding & will be issued shortly  
Six Vols are out. you ought to ask Colburn or some other Pub.,  
to send you the Copies: try also to get a copy of Emerys boundary  
Survey if you have not yet had it: I have directed the  
seeds to be forwarded to your City address (office) — the  
Agr. department is out of flower seeds. Brown and I are  
on middling good terms only — some months ago I wanted  
to get some agricultural analyses from that bureau, but  
he took care of Jackson: I hope when you come to  
Washington you will come to my house & make it  
your abode: it will be more in the City than the  
Smithsonian Inst. is = and I will try & make you

as comfortable: but I suppose that Henry has  
rightfully prior claims to you.

Present my respects to your daughters  
Believe me my dear Doctor

Yours with Esteem

Thomas Antisell





Washington D.C.  
Patent Office  
October 23, 1858.



My Dear Doctor

Yours of the 21<sup>st</sup> came to hand this morning & as it contains a query indirectly I sit down to answer it today with regard to Tuckers patent for Imp<sup>ro</sup> in Manufacturing Sugar I may speak freely to you about it as by some accident of omission in the Office it has not been placed in the secret archives as Mr J. wished He is I believe now in possession of the patent = ment: his improvement claimed, is in the use of fishly precipitated Alumina prepared by decomposing the Sulphate by Carbonate of Soda = it is a very narrow claim as you may perceive: his Original application claimed several other matters which in the course of Correspondence with him he removed - he first claimed Alumina broadly - we referred to its Common use in refining & to Ouland's patent (vide Newtons Journal Vols 37 & 40. pp 27 & 107) & to the description in Wes Dicty. = we also referred him to Rochleau's Expts on Coloring matters precipitable by Alumina given in a late number of the

Chemical Gazette copied I believe from  
Dingler, no claim could therefore be sustained  
for the use of Alumina broadly - nor for Alumina  
prepared by precip<sup>n</sup> by Ammonia - nor for Alumina  
in the dry state: but as he asserted that its  
Value when freshly precipitated was vastly greater  
and believing that possibly there was some Sulphate  
in his preparation ~~as~~ it was precipitated with Soda  
we narrowed his case - to the use of the freshly precip<sup>n</sup>  
Hydrate of Alumina - when the latter is prepared by  
decomp<sup>n</sup> by Carb. Soda: - the novelty (as we  
understand it) is the combination of the precipitation  
by Carb. Soda & the use of the precipitate while it is in  
the Creamy State: it is therefore as I stated  
at first an exceedingly narrow claim; but as  
the Office is very liberal in its views just: <sup>[now]</sup> any  
distinction made out clearly cannot be refused.

Any further information I can give you in  
this or other matters I shall be most happy to  
do. -

I am sorry to hear that Mr Cooper  
is not willing to pull in team without wanting  
to absorb all the glory of the race: as by  
good management it could be made a self sup-  
porting institution like the Polytechnic Institution  
in London where Deffenbach Bachmoffer & Hoffmann

have been alternately: Evening Lectures on Science & arts popularized would in N.Y. city always I should think fill the room at a moderate premium, If the Management goes to the Board of Education I do not see that much chance would result in my favor: I am obliged to you for your promise to keep me in remembrance when the time arrives.

I am connected here with the Medical Dept. of Georgetown College (which is located in this City) as Prof. Chem'y. — it's a small affair — a very small affair. I do not think it deserves even the title of one horse, & would perhaps better deserve the title of a meager & stupider animal but it keeps my tongue & hand in practice & I opened the Courses last week by a preliminary course of four lectures on "Morbid Urine" — a Zoo-Micro-Chemical display instead of a big introductory full of Boanerges. I acquitted myself to the satisfaction of my Colleagues, & now having no apparatus here to give lectures on physics I have dashed at once into Affinity, Symbols, & Oxygen. This fills up a few Evenings in the week & makes me feel reconciled since we are doing the same things again, which when one gets on into middle life satisfies one

i.e.: to continue to do the same thing is  
appreciable. Following out this conclusion I find  
I have been calling on your time to a large  
extent in asking you to do something else than  
you are wont to do. That is to read this - & as  
this must therefore be unpleasant, I conclude.

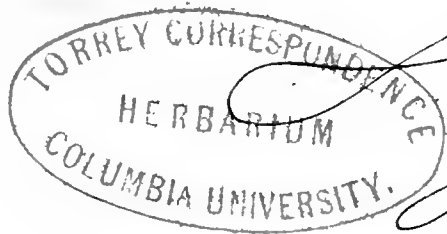
I hope your family are all well. I  
suppose you have come into town for the  
winter: it is very pleasant warm weather  
here

Wishing you health this winter

Believe me D.D.

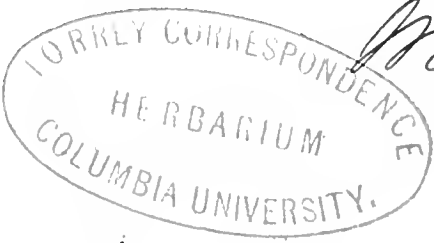
Yours Sincerely

Thomas Antisell



P.S. You promised me a little "Iridosminum" or plat<sup>u</sup>-one  
all up - when you think of it you might enclose a  
little by post.

Dr. Newbery arrived here lately - have you gotten  
his Botanical Specimens when you see him,  
St. Joes used up nearly all the appropriation I  
believe & there is only enough left for 3 months  
work at home.



Washington D.C.

April 9. 1859

My dear Doctor

Your note of the date of the 11<sup>th</sup> instant came duly though slowly at hand. I am sorry that your efforts for Schaeffer has been to so little advantage. Our own have not been crowned with any advantage: some time ago (weeks) it was proposed to open a copy-right room in the Interior department & Schaeffer thought such a place might be suitable. I went about with a memorial to the Secty. setting forth his desolate condition & begging almost for God's sake to appoint him, had it signed by the whole of the Examining Corps (some 30 names) & presented - but without any good result - political influence & not charity rules here. With regard to the Amariis affair I am afraid that nothing can be done: Prof May moved in S-'s favor but the Secty. of the Navy informed some friends opposite that altho' he was willing to receive recommendations

of suitable persons for the place, yet his own  
mind was made up as to whom he would wish  
to appoint - namely some Clergyman from  
Connecticut who had been removed from his living  
& I suffered some losses from the expression of his  
sentiments contrary to the general abolition feeling  
of the place; so that I believe no hopes exist  
in that quarter. - Indeed I do not see how Schaffer  
can get along - he is not adapted to deal with the world  
else he might become a patent agent as Gale & other  
Examiners have done with moderate success - at all  
events they have lived. - I think it a shame of  
Bache who has the control of so much money &  
could easily make a place for him, if he only  
chere to - not to do so, - there is more money wasted  
& mistakes made in that Coast survey than would  
support a dozen Schaffers.

I was the deliverer who told Brown to send  
you some seeds which you speak so disparagingly  
of - that the parcel was not larger is the fault of  
Congress which cut down Brown's Appropriation to  
 $\frac{1}{3}$  of its extent - that you did not get a better assortment  
is due to Brown's management who did not order seeds

judiciously = there are however no other varieties  
of any kind - garden or floral - at the disposal  
of the Office & I therefore intended the best for you when  
I directed it to be forwarded.

I am sincerely glad you escaped the simon  
which swept over the assay office - I hope you have  
no personal dealings with the head = after that affair  
in the City & his conduct, I should almost abhor  
the sight of such a man for whom ~~one~~ there does  
appear in my mind the slightest palliation.

I am sorry that Wurz did not always direct  
his attention to College life: he is not adapted to college  
teaching - at least his winter here has not developed  
the didactic element in him - He has been dissatisfied with  
the Clap & the Clap speak disparagingly of him = his Educa-  
-tion in Chemical matters is good - his information accurate  
& plentiful on Chemistry but very limited in every collateral  
branch = noisy & boisterous in many ways - & so conceited  
that he is quite intolerant of any one possessing any  
information but himself & the latter element has prevented  
Medical students attaching themselves to him. = he has  
not made a good examiner <sup>in this office</sup> being hasty, impulsive, &  
beginning to express his ideas before they are thoroughly

formed in his mind - but he has many good qualities  
per contra -

For myself - I live - a mere organism - parasitical  
at that - attached to a government place - I know very  
few of us here will survive 1868, & I try to be wise in  
time: I have just now concluded the purchase of six  
acres of ground on the Virginia side of the Potomac 3 miles  
from this office which will be something better than paying  
rent & market prices - and as interim am waiting  
to be called out to Sonora to make that Survey which  
feudalism & revolution has so long prevented, I do not  
know how to advise raising such a sum as that required for  
an observatory - I can only tell how to raise a sum under  
10,000 every year by annual subscription & I am endeavoring  
now to get an hospital started on that principle - that  
is small subscriptions annually - but such a sum as 1/4  
million I have no idea of - it is like astronomical ideas  
generally, far above my comprehension.

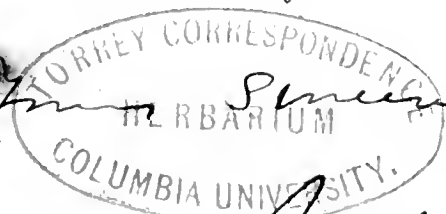
With kind recollections to my daughters

& respect for yourself

Believe me

Yours sincerely  
John S. Smith

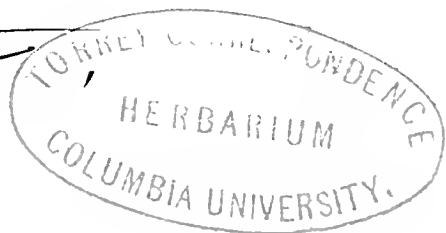
Thomas Antisell





My Dear Doctor

Patent office  
August 18/59



In reply to your Query about the  
Tin Mine I can only say that I never  
heard of any reward offered by Government  
I am confident no such thing was ever  
done, indeed I hardly see how Congress  
would have the right to do such a thing - at  
all events I have inquired among my ac-  
-quaintances not one of whom ever heard of it,  
I am sure it is a myth. With regard to the  
locality of Tin I saw a notice in a California  
paper some time back that a tin ore was found  
on the East side of the pass of the Sierra Nevada  
on the Southern route (By Warner's ranche)  
Somewhere near Vallecito - I thought a pro-  
-bable place was the Estrella Mts on the side

and hunted over them a few days but found only  
a few poor specimens of *Orutia*. I am glad  
you liked your trip to Springfield. but to  
me reading the proceedings it seemed as though  
that Perce, Baehre & Henry with one or two  
more began to glorify one another & make  
the outer public believe the world could not get  
along without them. I have always thought that  
in Country we do not want a travelling assembly; it  
was established in England to advance Science by inducing  
the Government to give money grants & other aid: it accom-  
plished that there; as it never can do that here  
and as the Country is too large to draw men together  
from all parts, each meeting must be more or less  
sectinal.

I am quite at a loss to know what to do with  
the specimens of *Iron ore* &c. which the Academy  
gave me. The subject is so vaguely indicated  
and so much has been done in the one line as

regards the Causes & Substances tending to produce  
Oxidation in Iron, by Mallet & others, that I  
see no open road before me - I could easily  
make a large report upon all which has been  
done already = but I suppose we must strike  
out a new line of investigation. Major Bowman  
is full of the idea that the Cause of the non oxid.  
ation of some iron compared with others lies in  
the nature of the Ore = My finding which was a  
slow oxidizing iron & then examining the Ore the  
question would be solved - but it appears to  
me that is all wrong - that it is the mode of  
producing the iron which is the important matter  
& that the cause of rapid Oxidation is the presence of  
less positive bodies in the manufactured metal -  
& this is just what Mallet has gone over = as  
it was Major B. who drew up the Circular  
his idea almost authorizes a line of investigation  
which would (appear to me to) be useful. Can  
you give me an idea upon this American  
subject; I have the specimens since June  
but the weather has been so hot this summer  
& we have been so busy I have as yet had  
little time to look the matter up thoroughly

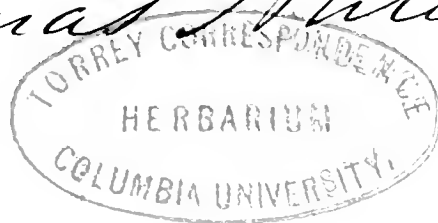
The Salary which Scheffer at present is to receive is small (\$1500 I believe) but it will be increased. I should think it was a pleasant place - I never consider Agricultural Colleges however permanent things. - I am getting published by Appleton a little brochure on Coal oils as there is no beating in type - it will be soon out. I believe Marty is somewhere north the whole of this month past. I suppose he reported himself to you - I have moved out of the city about 3 miles, into Virginia where I bought a little piece of ground with an old house on it, & as we are a large family I have room now to turn round in; whenever you next come along I must bring you out to spend a night there hoping your family are well

Believe me

Sincerely yours

Thomas Arterill

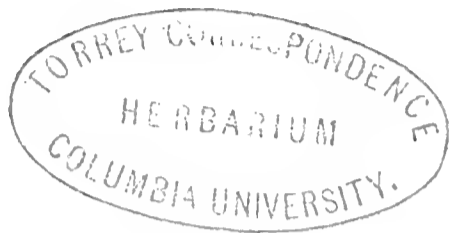
Prof: Geo Torrey M.D.  
over



Washington D.C.

Nov. 8 1859

Prof John Torrey M.D.



My Dear Doctor

I presume it is known to you that the Univ. of Virginia have advertised for Candidates for the Chair of Agriculture & Climatology or Physical Geography - to be filled in Feb'y.

I propose to become a candidate for it: Can I have your patronage & good regards? I presume you would not object to give me a letter or Certificate that I have lectured on Agriculture before the N.Y. Socy. some years ago which was the beginning of our acquaintance soon after my arrival here: I have also been attached to an Agricultural School near Dublin - have written here in the Agricultural papers &c.

I am extremely anxious to get out of this office - I think I could do better abroad in the world & besides that my position is somewhat irksome. I should have written to you long since but a severe attack of Bilious & Typhoid fever kept me abed for many weeks & has left me a shadow. I am however pulling up very fast.

I thought perhaps you might know the Faculty (or some members) of the University - to whom if not you enjoyed you might write & mention my name as a candidate for the situation, which would have the effect of preventing them pledging themselves to any one to whom they otherwise might.

If you are pledged ~~for~~ ~~at~~ ~~all~~ ~~to~~ ~~any~~ ~~one~~ ~~to~~ ~~visit~~ to let me know. & Believe me  
always yours -

James Arwell



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Washington D.C.  
Patent Office  
April 11/64

My Dear Sir



Your letter was duly received by me some days since & contained \$3.00 inclosed. I had paid \$2.<sup>55</sup>/<sub>100</sub> for copying the patent and the discount of the note leaves me your dollar in five cents which I hereby acknowledge. I delayed answering till I had opportunity to write you a long note. I have received plenty of notices from outside that I will soon be at large, but not having been notified from the proper quarter I do not place much belief in it & I rather think the Office is inclined to retain me, unless outside pressure is very great, and indeed for my own part I have no immediate desire to be shoved out when the country presents such a gloomy aspect. Our city here is under military law. On crossing over the Potomac this morning, on my way to the Office, I found a mounted guard watching the bridge lest the South would send in troops. It is really

Melancholy to see a fine country & the best govern-  
-ment in the world, at the mercy of politicians,  
I would wish that the leaders of both sides were put  
under a strong government in Europe for six months  
and then they would be glad to let well alone.

Do you know a Mr. or Prof. Hedrick? he has been  
appointed an assist<sup>t</sup> Examiner here & has been  
detailed into my room. I suppose to learn some  
official duties; he says he has lived in N.Y. some  
years & is well known to you. Is he a gentleman  
& scholar and may we extend the right hand of  
fellowship to him. I will enclose to you in  
a few days a copy of the report of the  
Engineer in charge of the Treasury Extension  
in which unfortunately my report ~~on~~ <sup>is</sup> ~~in~~  
appears. - the whole is a part of the report of the  
Secy of the Treasury made to the last Congress.

I feel ashamed of my share in this report  
& doubly annoyed at the way it is printed  
& the way I have been treated. More than a  
year ago when I had completed all which  
now appears in that report, I applied through  
Major Brannan to the Dep<sup>t</sup> for 600 or 700  
dollars for apparatus & means to go on  
which I never could get through him or from



Department. I then closed the report in disgust  
I sent in a bill of \$160 for sundry expenses & pay  
to a young man for cleaning & sorting & weighing  
specimens - & objection is made to the latter because  
the receipt for the same is in the body of a letter  
& not separately - I thought our own office was good  
at technical objections but the Treasury beats us,  
I could not get a copy of the proof sheets & hence  
the first sheet of the Secretary's report was  
barbarously printed; the final one, struck  
of which you will receive one is a little better  
but still full of errors. ~~pe~~ - My preliminary  
letter was suppressed & you will find my  
name at the close so suppressed, that it  
is difficult to know which is mine &  
which is Clarke's - However after all  
drawbacks on looking through the  
report if you find any thing in it  
worth your notice whereby you could in-  
crease a continuance of the examination  
I would be glad to get it at your leisure  
as I may again apply to the Department  
to be allowed to go on with the experiments  
in the way I indicate at the close of  
the report. The departments here are  
so busy with other pressing matters

that I cannot draw their attention to  
it yet, but I think that Copies of it  
ought to be sent to all of those iron  
merchants who furnished Specimens

I am sure I have tried you sufficiently  
& therefore close with

Remaining yours  
Sincerely

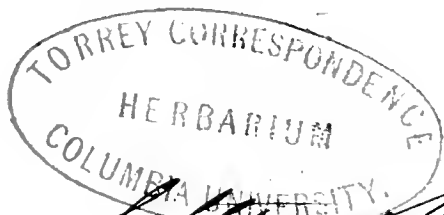


Thomas Aristotle

P.S. Our Friend D. Gale has been trying to get  
on the board of Examiners in Chief (under the  
new law \$3000) Page is an anti-forest & both  
hang - Schaeffer does not work up for  
any thing good

Woodstock Ont  
March 24<sup>th</sup>

My Dear Doctor,



I received your letter of the 14<sup>th</sup> which left you "down among the Jersey's" when I cannot envy you your position, if you feel when away from home, as I do, out of gear as it were & what is worse, almost always out of humor; I am here nearly 3 weeks I have another five before me before I see again those beautiful parakeets of British & Montan as Chas. Lamb calls them. Our class here is small, not more than 60 at present & will not increase much; this is owing to our president & teacher of Anatomy having gone to Louisville & not being here as usual to keep up a winter class - I think I will not venture down again into those hyperborean regions another year.

I am glad that Hall is likely to get the Jersey Survey. I hope he will set the natives right about that Green Sand & the quantity of Potash which it contains, which Rogers led the folks to think contained 10 per cent of Alkali - he did not state that, but his analysis leads to the inference, I never could get more than 5 1/2 per cent & that is a large yield. With regard to that Galena Analysis I am sorry it did not come up to the idea of what it ought to contain. I have sufficient of it at home for a couple of determinations & when I return I will loan it at your laboratory. I should prefer to have my own specimen checked off.

Before my arrival here (March 2) I had been in Michigan & Western Canada for a fortnight & had all the newspaper

Statements about Deville's Experiments on Aluminium  
& cannot in this place retract them: they are not noticed  
in any Journal I have seen, I have no idea of his process  
Some years ago W. Gregory wrote a paper showing how  
cheaply Sodium could be obtained (I think for  
20 cents per oz) & the immense advantage which w<sup>d</sup>  
result to Analysis by his plan being adopted. However  
we never saw cheap Sodium from that to this. I hope  
Deville will succeed better; If you know where that process  
is fully described I w<sup>d</sup> get it for insertion in  
the next no. of the Journal - apropos of this, I find  
it exceedingly hard to get any original communication  
I wrote a polite note to Keut asking one, & he sent me  
in reply a pettish letter complaining he never had  
seen the Journal but by accident & did not therefore think  
he need contribute, &c &c. This reflect was the printer's  
fault not mine: but I won't let Keut off so easy -

Kane in his "Artic. Exposition" noticing the effect of cold  
below zero upon various food mentions that Lard acquires  
a semitransparency & gave a conchoidal fracture: this last  
is curious. I am in the habit of connecting that mode of fracture  
with substances that have been heated & cooled: perhaps a wrong  
conception of mine as from Arabic & flint are exceptions  
(the latter may have been heated) it is odd that cold should  
so approximate the particles of lard.

I am sorry about this protracted fight that Gibby  
is obliged to make: & I am vexed with the College  
I have a great dislike to the Clergy (of every persuasion)  
they have done me a world of injury, & like the Roman  
Emperor I could wish they had but one neck & I would

treat them Caligula fashion,

I have matter sufficient up for the forthcoming  
number of the Journal and therefore do not wish  
to trespass on you when your time is so occupied  
but if you can finish any thing before the 10th  
of next month we would be glad to have it  
for the May No.

I owe you an apology for troubling you  
to read so much to so little purpose

Remain

Yours truly

Thomas Artzell



J. Torrey by Mrs  
H. H.

96 St Mark's place

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Washington D.C.

April 26<sup>th</sup>

My D. D.



A friend of mine starting  
from here has allowed me to send  
you on a small parcel contain-  
-ing a few seeds collected -

One portion is a few Capsules  
from the Mescal Agave not  
such I believe as they make Sugar  
from but that variety which when  
the plant is young they collect the  
young leaves before the stalk is put  
out when it "in heart" like a cabbage  
& bake it in the Ashes = There is a  
Capsule also of some Yucca or Agave  
I do not know which = The pods of  
the Mesquite are taken from that

tree on the Jila 10 miles East of  
Jal Yuma - from which I collected  
the veritable Gum Acacia, much  
to the detriment of my clothes  
which came off second best in the  
contest with the thorns. I also enclose  
you the nuts of the little shrub  
which I mentioned you was so  
plentiful on the Jila near the  
mouth of the San Pedro.

The House of Represent<sup>s</sup> in an econ-  
-omical fit having negatived the  
Appropriation for Surveys & Maps  
for the R. R. Road - the Government pro-  
-pose to bring it up again in a little  
while & get it passed. They have  
little doubt but that toward the  
close of the Session they will succeed.

I think that a new mode of ma-  
-king Sulpho Cyanide of Potassium  
occurred to me the other day - We had  
none here & was making some the usual



away, but could not get it fully free  
from the yellow precipitate - which prevents  
its use as a precipitant for Copper  
I then tried the simple Cyanide of  
Potassium with <sup>an</sup> Equivalent of Sulphur  
I fused them together in a test glass  
& when cool dissolved it out with  
water - <sup>the solution</sup> It acted beautifully with  
the Iron test & gave no black precipitate  
with a neutral Copper salt. a pinkish  
white was the color of the precipitate  
from which it contains no excess of  
Sulphur as S.K. - I evaporated the  
solution & got white, <sup>prismatic</sup> Crystals of the  
Sulphocyanide, - is the plan new?

A. A. Hayes was along here a  
couple of weeks ago - I met him visiting  
the Smithsonian - he had some business  
with the Patent Office - not directly  
but as indirectly well affected toward  
the application of some parties who have  
been distilling - Heavy oils from Coal  
by Viallet's plan of hot steam -

as per the Pat. Off. let me thank you  
for the note to Schaffer - his of the  
right stamp - & so is Dr. Gale. I  
feel quite at home in this overgrown  
little city.

I had the pleasure of seeing your  
daughter here the other day. I  
did not know of her arrival until I  
heard it from Dr. Henry

I am my Dr. Dr

Yours very sincerely

Thomas Arteride

J. Perry M.D.  
per Dr.



Recd. May 16 Woodstock N.Y.

and " 19

May 13<sup>th</sup>

My Dear Dr.



I tried to see you at the College, before I left N.Y. for these hyperborean regions where the snow yet lingers on the little hills, but without success. My chief object was to notify you of my departure, and that consequently if you wished another meeting of the Chemical Club you would have to take upon yourself the office of calling the members together: it would not be desirable to let our "Geophyte" die of neglect, & from our last meeting I augured good things of it.

Apr 20 of that night - you recollect  
Mr. Gibbs remarks upon Dr. Leidy's  
chances of the Philadelphia Chair.  
I was highly delighted to hear that  
he was appointed with 50 votes a  
majority. The impression here, that

B. Lilliman Jr. is quite certain to get  
the new chair appointment, but goes  
once more to Louisville - & it will  
then probably lapse into Smith's  
hands. (if the latter go there.) Can  
you tell me who is or will be the suc-  
cessor to Beck at Albany?

I perceive that the Montgomery shares  
are down, & learned before I left town  
that they are discharging all hands  
from Wadsworth's - firm's coronat opus.

They have discovered gold here in  
small quantities about 6 miles

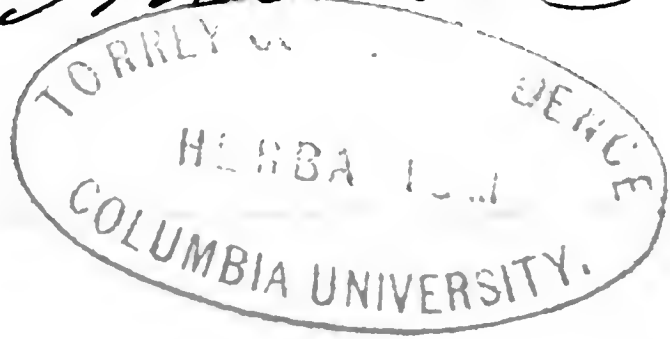
hence, toward Castleton I believe - it  
occurs in Talrose slate. I propose  
to see it. I suppose you were  
nearly overrun by the horde of  
Medical Men who congregated in  
the City - last week: at this distance  
it appears to have been a very foolish  
thing for men to give so large sums  
for Entertainment as Parker & others did.  
They feasted & fought & did very little  
business: some of them talked absurdly  
about publishing such a volume &  
reflected the Pharmacopiea which  
appears to me to want revision. The  
Prussian Pharmacopiea, that used by  
German druggists & Physicians, is a  
work well worthy the attention of  
Pharmacopiea makers -

If I meet with any thing new  
or worthy of notice I will drop you

line which I hope you will not  
deem troublesome

Yours respectfully

Thomas Antisill



The Torrey m D  
of the

Woods Fork  
Wed. May 24  
and " 25

Monday May 23<sup>d</sup>



My Dear Porter

Pray forgive a trouble-  
some correspondent; the  
impression is growing strong in  
my mind that I ought to make  
some application for the vacancy  
in Albany; may I ask you if you  
know that the Faculty or Trustees  
have any one in their "mind's eye"  
whom they will initiate into  
office, or is it still an open question;  
if the latter, I would enter the  
lists, Doremus in the field to  
the contrary notwithstanding.

Do you know any of the Faculty  
personally & have you any objection  
to either give me a letter recom-  
-mendatory or write to your friends  
(if any) on my behalf. Dr. A  
Clarke (now here) has promised  
me to write over at once, & Dr. Childs  
(here also) of the Pittsfield Med: School has  
similarly interested himself: I  
think you must have overestimated  
the value of the Chair - as there  
were only 60 pupils or thereabouts  
at the last Session. In asking your  
interest & assistance I hope you will  
not deem me importunate; having  
heretofore so valuably aided me in  
this Country I naturally apply to you  
again: you know the proverb "five



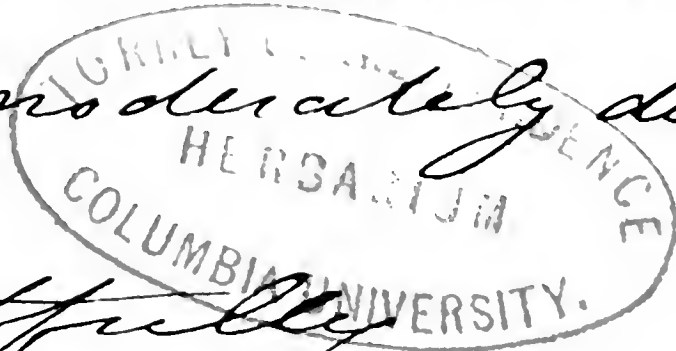
an inch & an Ell will be taken?

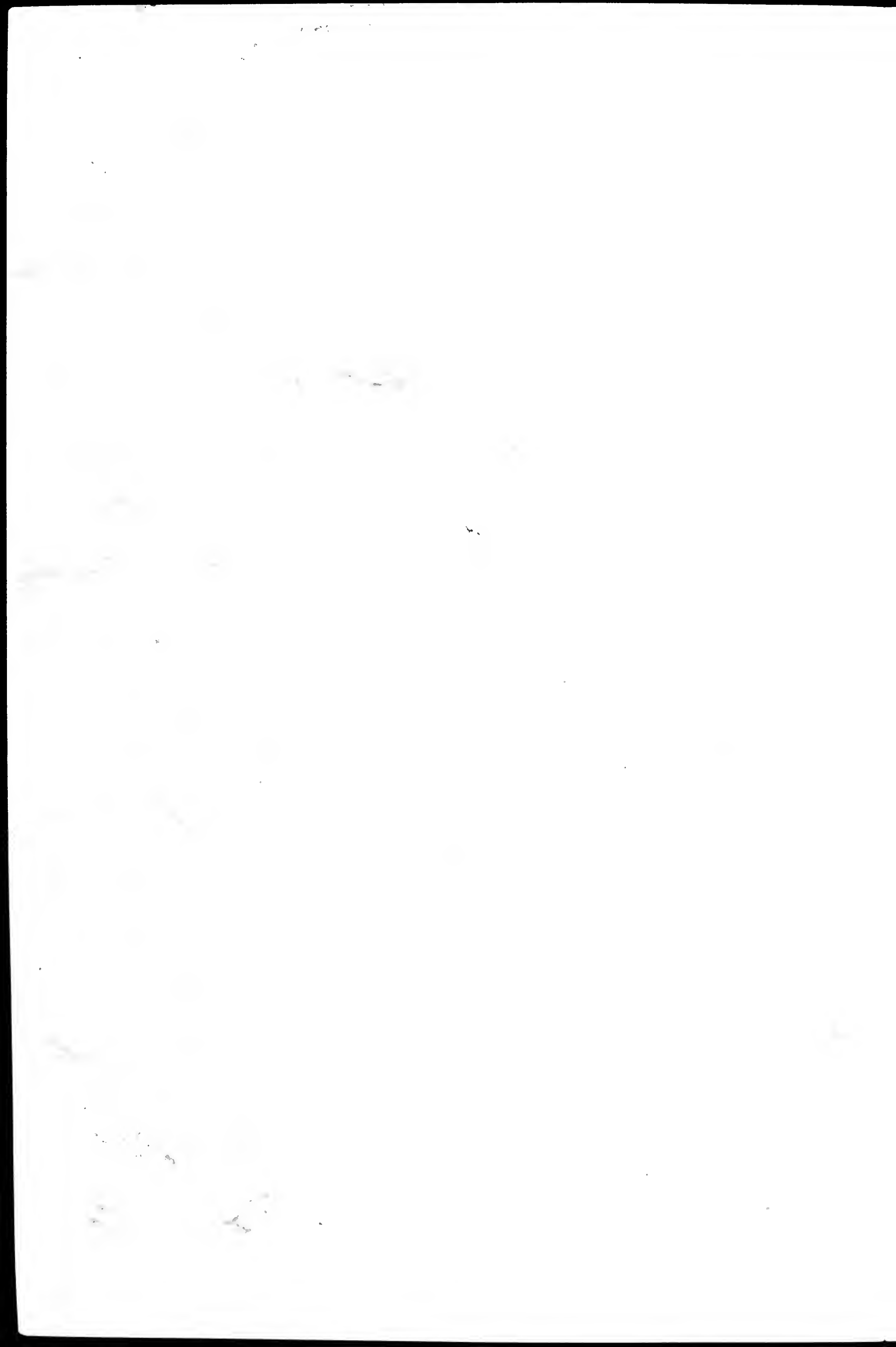
In making some Nitric Acid from  
Nitre & Vitriol I obtained in the residue

the radiated needle crystals of the  
<sup>hydrated</sup> Bisulphate of Potash of Jacquin  
& Philipps ( $2 \text{KOSO}_3 + \text{HOSO}_3$ ) as it  
is rather rare, I set it aside till  
next day (crystal liquor & all) to crystallize  
but upon a second inspection they had  
passed into the flat rhomboidal  
crystals of Bisulphate; as I never  
obtained these radiated prisms before  
& Graham says it is <sup>not</sup> known how they  
are formed: I can only say that  
I used a solution of nitre with some  
crystals in excess & a moderately dilute  
acid.

Yours respectfully

Thomas Antisell





203 Princeps

August 28<sup>th</sup>

My Dear Doctor



Your note of the 2<sup>nd</sup> followed me, after some little delay to Pittsfield where I had been since the 3<sup>rd</sup> of this month. I came to town <sup>on 26<sup>th</sup></sup> on some business & have again this morning shall remain at Pittsfield until Sept 25.

There has been some mistake in the delivery of the Vanilla Crystals, they never came to hand. I have made enquiries & no parcel of any kind was delivered here along with the letter; if I had them I should have gladly set to work at them as in Pittsfield "*est mihi tempus agendi*". Looking into the Chemical Gazette Vol. 8. J. J. Goble has found it (Commune) in the leaves of "*Angraecum fragrans*" - an orchid - as also in the "*Asperula odorata*" by Schwarz. (Vol. 10.) in the "*Impatiens Melilotus*" & the "*Antirrhinum odoratum*" & a few other plants. - Your messenger must have by accident neglected to deliver them.

Our school in Pittsfield is wretchedly small as regards numbers this autumn. We do not well know how to account for it except that your City Schools absorb all the pupils; I have

tried the experiment which Carr has done  
with the Albany school. viz established a class  
of Practical Chemistry in addition to the general  
class - for which they pay a trifle extra \$5 - Monthly  
I have fifteen out the whole class who attend,  
I merely teach them qualitative examinations by  
tube, & flat glass experiments - mostly the latter  
kind - I think its introduction into the schools  
of this country will be an advantage to the pupil.  
might not such be introduced into your college  
on the same plan?

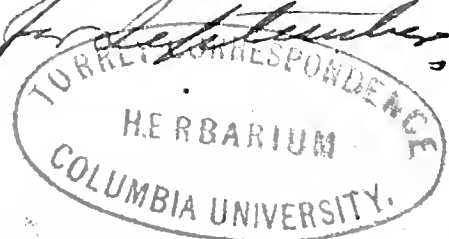
I am about to engage in giving a course of six  
Popular lectures on Chemistry to the good folks of this  
village during September, & I have some thoughts  
of repeating them where I can go Southwards  
during the winter, I do not see any <sup>thing</sup> before me to  
occupy me during the winter of a better kind,  
& my only excuse is that of the Lampoon writer to  
Sam Johnson who expostulated with him on his  
unworthy occupation "You know my dear D. we must  
live.

Did you think of asking D. Hottel for any thing for  
the J. of Pharms. - I want something original for September.

I am Dr. Doster

Yours truly

Thomas Antisell



AND TORREY CORRESPONDENCE  
HERBARIUM  
COLUMBIA UNIVERSITY.

Washington D.C.  
300 Muttler

December 6th

TORREY CORRESPONDENCE  
HERBARIUM  
COLUMBIA UNIVERSITY.

My Dear Dr.

I had hoped to have seen you before you left our City and I called over to the Smithsonian on Friday evening only to find that you had left upon that afternoon. I hope you were able to do away with whatever unfavorable impressions may have been produced upon the minds of the "powers that be" by your prejudice. I had wished to have spoken a few words to you, as you were in Washington concerning the analysis of Iron Ore for which Congress voted a very small sum last Session. About 18 months ago when the bill was in the House Mr Clayton spoke to me about it & expressed his wish to throw it into my hands; after the bill was passed I reminded him of his promise but it was then the beginning of the Crisis & nothing could be done.

Five or 6 weeks ago I spoke to Mr Clayton  
again about it when he told me to write  
him a letter about it which I did; some  
days after he brought me into Major Brown's  
room & talked to him of it when I first  
learned your name in connexion with it  
In the conversation Mr. B. said that he had  
spoken to Mr. Butterworth about doing it  
under your supervision & that he Mr. Butterworth  
did not seem overanxious to have it done at  
the assay office I asked Major B. if  
you had personally moved in the matter or  
sought for it - he said not; and he also said  
that the Secretary was desiring to have the  
work done in Baltimore by a late Assay  
Chemist of that City. As you had not personally  
moved & as a 3<sup>d</sup> party was in the field I  
prepared my own suit - but have heard  
nothing more about the matter. I have no  
expectation of receiving the business - it  
will be a large & rather vague field to enter  
upon.

I think it but right to you to notify  
you what I have done in the respect.  
I should not have thought <sup>applying for</sup> of it had it not  
been for Mr. Clayton and should have with-

drawn the moment I heard your name  
had I not also heard of its probability of  
going to Baltimore; I had no opportunity  
to let you know this much when you  
called at the patent office as Mary  
was present the whole time.

I am unwilling you should think  
for a moment that I was endeavoring  
to divert away from you what you  
desired to undertake; I had been  
watching the disposal for several months  
past & only a few weeks ago heard as  
I stated of it being likely to be done  
in New York.

I remain  
My D<sup>r</sup> Dr  
Yours sincerely  
Thomas Antisell

