



Dear Sir

My dear Sir,

I am still toiling  
away at these plants &  
getting very day more &  
more dreadfully tired of the  
standing on my legs from  
morning to night. Writing  
to you is a good excuse for  
having off a little & with-  
that mention of the commission  
I refer you as to address you  
when I have nothing worth  
your reading & communicating.

5 Great Bagnly boxes of  
seed are just sent away  
& I have I suppose 20 coolie  
loads of plants to go by boat  
to Calcutta with my seed.



Gangne villas is  
13700 ft. - permanently  
inhabited growing wheat  
& Rye in summer. In  
you know of any Cis Himalayan  
villages higher, or any Thibetan  
one carefully measured.

What an error is from  
Strachey's boiling point  
altitudes. I have no wish  
to drive height measuring  
further than to within a  
nearest hundred feet. That  
I think is necessary & enough.  
but Strachey may be out  
1000 or even more. Thus  
1° of boiling temp is equal  
to 500 ft. at his elevations -  
his instrument had the  
scale very small & only  
reading to 2° - further it was

a common therm. & not  
intended for boiling temps  
at all. Such ~~exp.~~ instruments  
are often 3° or 4° out.  
Again find that any vessel  
will do for this method  
on any thermometer, with  
every advantage I can ob-  
tain. The boiling point is  
within 1/2 a degree. Again  
the water used will affect  
the result to as much as  
500 ft. the best <sup>water</sup> being  
making the height <sup>more</sup>  
than that <sup>this has</sup> lower than it  
should be (by more than  
~~that~~ 600 ft.)  
Lastly I find the correction  
for the grav. of air makes a  
diff of 700 ft. on the wallaston  
bar. & of this decrease he



states I think no account  
at all. - How far there may  
connect one another it is  
impossible to say. Muller  
says he can't trust Strachey  
to 2000 ft. I say to 10 or 1500  
I am extremely sorry for it  
for I had expected to look on  
Munro's view as a fixed  
point. - & to know the fate  
of the Thibet. Highland from  
that (I suppose the culminant  
point. - v., to which Thomas  
has been.

I am all in confusion  
about the Strachey's - <sup>another letter</sup> ~~the~~ seems  
to have been written to the  
Lakes - since the long year  
one. I write a most confused  
letter to Thomas on which  
you have no doubt seen.



As from <sup>no</sup> 23. h. 578 &  
which is printed without  
date & without locality.  
There is a great deal of mystery  
about the gentlemen in Sam  
very stupid (or both). - What  
on earth the latter letter written  
means I can't divine - A  
volcanic eruption raising a  
bed of gravel to 3000 ft. between  
two lakes! - The depth of  
gravel on the plain (3000-1000 ft)  
is a great feat. & I hope for.

Muller has just been  
over to New O.S. & returns  
with the bad news that he  
will be recalled to America  
in a long or some Mr. Dodd is  
going home, or on leave.

The mail is in, with letters  
from home for me - my sister



very considerably better.  
You kindly asked about her  
in your last: she is my  
unmarried sister, & runs  
a good deal than myself  
& has long been subject to  
chest or throat ailments  
which alarm us all  
exceedingly & are much  
troublesome. My only other  
sister (who married the  
Scottish Parson) is also my  
junior & the same mail  
brings me an account  
of my being doubly an  
uncle through her. Her  
husband, who resides in  
the name of Mr. Gilroy.

is a genuine Celt. & who  
a favorite of mine - said  
like a mountain cleaver  
fellow & "powerful preacher"  
How he managed to captivate  
my sister, a most charming  
girl, I can't conceive; I was  
absent at the time. I believe  
the free Kirk persecution  
had a good deal to do with  
it. It occurred in Glasgow,  
when my F. M. were residing  
a 3<sup>d</sup> sister, in Jersey, where  
the latter was died of  
consumption & when also  
was my now ailing sister.  
I was at sea & Maria left to  
keep home in Glasgow when  
she fell in with Mr. Revd. & Miss  
The match was opposed for 5 years  
but as it was like some opposition



was only temporary - they are  
very happy together & that is  
the great desideratum in such  
unequal yoking's - (However, I  
sweary you with family details)  
They were so some splied than  
The Rev. Mr. received a pressing  
call from the Brethren in  
<sup>both</sup> America & Unit. - He board of  
the Free Kirk for New York & of  
Olden Ocean, which he obeyed,  
taking Maria with him, when  
they were wrecked in the great  
Western for "Britain" which was  
it - for the coast of Ireland - After  
travelling in Canada for 2  
winters they returned to  
Glasgow where Mr. Mr. resumed  
his duties of renouncing the  
Devil himself & denouncing  
all who don't do the like - and  
that such in the work with the

followers of said Presbyteria -  
sister when I was at College  
with - Scotch Divinity students  
in Edinburgh Glasgow.

The success of Mr. Mr. Mr.  
arrives my letters promptly  
& writes very civilly & kindly -  
Father had just arrived  
at Montserrat & was starting  
for the pringles, with the 28<sup>th</sup>.  
He will not be in Calcutta  
before May -

My Father says he has seen  
an "Aneroid Barometer"  
a new invention, strongly  
recommended.

There have been some rows  
at the R.S. about a Secretary  
Brown supported our friend  
Pete against Grove who carried  
it - Grove is a good man but



not very agreeable in  
manner I think - his  
wife is a nice person  
& that is a great deal in  
giving a tone to Scientific  
Society - even to help the  
battle with unscientific  
workmen

This is a regular  
route to find of for the  
present.

Very respectfully  
Yours  
J. H. H. H.

rec<sup>d</sup> Feb 2  
Hooker 10

ans<sup>d</sup> both  
13<sup>th</sup>

Dr.

+

Shippin  
Hudson River

ps