

Murray Bay
 Aug 11, 1870.

Dear George,

I am much obliged
 by your attention to the French
 letter which you forwarded,
 and which I shall answer
 by this mail.

With reference to
 your question about tufas,
 Murray says that volcanic
 ejections, other than lavas
 & melted rocks proper, are
 first ashes & dust and
 stones, which when carried
 aloft in the air & spread
 out under water constitute
 tufas, and these may
 be either fine or muddy
 or sandy or brecciated
 In the latter case they
 are sometimes very coarse

and contain all manner
of volcanic and other
stones. Beside these
there are no doubt mud
volcanoes and muddy
torrents produced by melting
of snow and bursting of
cakes &c; but these
are rare and exceptional,
and though they have
been suspected, have
not been ^{certainly} recognized
in ancient books. It must
nevertheless be borne in mind
that proper lava and trap
are in a state of aqueous
fusion, when they become
blown up with bubbles
of steam, when reheated for
purpose; that they are
never proper muds.

I hope dear friend
you will enjoy yourself

Must go Scotland and
will spend a pleasant
time with Mamma & Mary
until you need to go to
London again. Be never
ever very careless of
your health as it would
be a great disappointment
should this break down
after you have done
so much, and after
we have left you. May
God continue to bless
and care for you, and
give you all success,
Peace, while Mamma
is with you, cannot be
in all points as to pro-
viding for your wants
and comforts to London
next winter.

I am sorry your papers
from Canada do not arrive,
Probably Mrs. G. is from
home and they are all

W. Solid not by the "severe dry eyes" which
I shall send a paper
now and then from
this place as I have
opportunity, so that you
may keep the run of
Canadian affairs, which
are however very quiet
at present, except those
gumblings of the Britains about
the ~~capture~~ ^{pardon} of Riel, which have
ever a any other humbation
I think they well deserve for
their subservency to Cartier
and the priests, who have
cumingly got the Queen to stop us
and grant the pardon thereby
adding to the present exasperation
against England. Notwithstanding the
present war the Gov are shipping 10
from this country all the war material
and troops, and have handed over
all the forts to the Dominion Government
that is practically to Cartier and his
Levecheux who are preparing to have
a standing army of three regiments, for
the purpose as some people say of handing
the country over to Rome should England
go to war about Belgium; which probably
does not seem likely. With all love, you
our paper
W. D. Carter

accumulating in her house
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