

Letter to John Washington, 28 November 1860

Livingstone, David, 1813-1873

Published by Livingstone Online (livingstoneonline.org)

[0001]

down to Senna in order to save the engine but so many leaks broke out daily we had to allow two compartments to stand always full. When within one day of Senna the current carried us on a shoal & we could not move her. She filled & we abandoned her - the engine is worth £20 or £30.

D.L.

Tette 28 Nov^r 1860

Dear Captain Washington

On treating myself to a reperusal of your kind notes I find that I have to give you some information about the country south of the Zambesi Speaking in a general way all the region south of Tette Senna & Shupanga is under true caffre or Zulu rule. the paramount chief Manikuse, lately deceased, lived somewhere inland from Sofala and he had war with the people of that fort lately. These caffres named Landeens by the Portuguese are quite friendly to the English - we meet them occasionally at Shupanga where they come to take tribute of the Portuguese whom they conquered. We had thoughts of going in that direction and to visit an [ancient] Jesuit establishment at Gorongozo about 60 miles west of Senna, but we have the difficulty that the Portuguese still claim the whole country, and any thing we should do would be opening the country which at present they dare not enter, for their advantage: Large sections of a very fine mountainous country called Shiringoma were ceded [0002]

by the natives to Portuguese who had intermarried with their chiefs - they were expelled by the Zulus aforementioned, and now that they dare not set a foot in it their home Government

made a decree that the lands were to be
be more equally divided, and the family
that got it by intermarriage should
only have seven leagues of it - they
fled lately from Shupanga even
because the rent was excessive,
400 dollars to their own Government,
& 600 to the Zulus.

then whenever we go the Portuguese
try to pick up information in a
sneaking way, and assert that they
knew all about it long ago. "It is
all in our archives in Lisbon"
It is not the low characters out here
that do so but Portuguese ministers
even, as in the case of two slaves
having come from Cassange
in Angola to Tette. they said in
a dispatch to our Government that
these were Portuguese who "went to
Mosambique." there is an old woman
still living at Tette who remembers
their coming, and she is positive that
they were quite black, and did not
[0003]
go further than Tette.

They claim Delgoa Bay too and all
the sea board - so we should procure no
advantage for our own country by
opening up friendly relations with
the tribes inland of their claims. We
feel more interest in parts beyond
their claims - and the Rovuma is
said to be navigated in large
canoes as far at least as the
Longitude of the Lake Nyassa

Between Mosilikatze and
the Banyai there is a large
friendly tribe called Bazizulus
(Portuguese Mosusurus) they have
cattle and are in an interesting gold
country - stone walls & caves
are said to be common. We
shall make a trip to them in our
way up after we have been to the
Rovuma.

Many thanks for the ale &

books. We have a good chronometer
 belonging to the Government and
 my own private one as a standard
 We have a third but it is small
 and not very good. Two pocket
 chronometers were sent home
 [0004]
 with M^r Rae - for cleaning &c. If you have
 an opportunity we shall be glad to get
 them again.

I trouble you again about the
 vaccine Virus as you will be able
 to get it sent direct. Perhaps two
 supplies by different mails might
 secure it fresh. I wish it in capillary
 tubes - I cannot concieve where our
 letters stick fast - they come in gushes

I thank you most heartily for all
 the trouble you have taken about the vessel
 and I am very glad that you have
 lent us Skead. He is a first rate
 fellow, and I hope that you have not
 been so carefully in marking the exact
 point beyond which he is not to
 go. I think Duncan would do well,
 if you have the same confidence in
 him that we have you will accept
 the offer I understand he has made

I am &c

David Livingstone

We found that Rowe had managed by
 dint of plastering & shoreing to keep the vessel
 afloat - the Pinnace is as bad - bottom all worm
 eaten as she was old when we got her - both make
 much water - having no other resource we mean
 to try both and abandon that which sinks first
 the steel does not go totally as Iron would but is
 as if worm eaten all over. 20 Dec^r tried to take her
 [0005]

I give a specimen of the difference between Dry & Wet Bulb - Victoria Falls 24 Sept ^r 1860	In shade - 9 A.M. Air = 87° Wet Bulb 59° Differ- ence 28°	12. Air 96.5 Wet B. 63 Diff 33°5	3 P M Air 96 W.B.60 Diff. 36	Once the diff was [40°]
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A Note on Fever for D^r MacWilliam
 transmitted by favour of Captain Washington

In the typical cases given
in Dr MacWilliam's Medical History of
the Great Niger Expedition the gall bladder
was found distended with black bile,
and if my memory does not deceive
me most of the cases treated with quinine
at an early period of the disease either
recovered or were subjected to the
milder or intermittent form of Fever.

In 1850 I adopted the plan of giving
quinine mixed with a purgative as
the first step of the treatment - and was
successful in the cases of two of my
own children and an English party whom
we found at Lake Ngami, and of whom
one had died before our arrival - I have
lost the notes of my reasons for
adopting the practice, but I have been
successful in every case I have met
with since. The prescription employed
is of Resin of Jalap and Calomel [of each] eight
grains - Quinine and ~~and~~ Rhubarb
of each four grains. Mix well together
and when required make into pills
with Spirit of Cardamoms. Dose from
Ten to Twenty grains. The violent
headache - pains in the back &c &c are all
relieved in from four to six hours
[0006]

the greatest difference to Dr MacWilliam observed was I believe 16° generally it was 6°
or 7°

and with the operation of the medicine there is
an enormous discharge of black bile - the
patient frequently calls it blood. If the operation
is delayed a dessert spoonful of salts promotes
the action. Quinine is then given till the
ears ring &c. We have tried to substitute
other purgatives instead of the Resin of Jalap
and Calomel but our experiments have
only produced the conviction that aught else
is mere trifling. No strength is lost.
In our march up the river of 600 miles
on foot - a European would be stricken
down one day and the next after the
operation of the remedy would resume
his march on foot. In some very
severe attacks a donkey was used but

never more than two days - he would prefer to tramp it.

We tried Warburg's Tincture which has a great reputation in India, but it causes profuse sweating and does not cure the disease - the strength is also impaired. We had a good supply, by the kindness of one of our Nobility, but I am compelled to say that it did not answer our expectations. the daily use of Quinine is no preventative we have seen many cases occur when the person was on the verge of cinchonism.

[0007]

I employed the foregoing remedy with success on the west coast, but made no fuss about it more than make a general statement in the "Missionary Travels." I was not quite sure that our fever was identical with that D^r MacWilliam encountered in the Niger but the melancholy fate of a party of missionaries at Linyanti where six out of nine Europeans, and four native attendants perished in the short space of three months makes me fear that it is the same complaint as that which destroyed the officers of Commodore Owen in Zambesi - those of Captain Tuckey in the Congo, and the crews of the Great Niger Expedition in that River. My companions, D^r Kirk and M^r C. Livingstone entertain the same opinion of the value of our Pills that I do. We wrote a paper for one of the medical journals. But the above sad case makes us anxious that the remedy should become more extensively known than it has been - and I do not know a better plan for effecting this than by communicating it to D^r MacWilliam. No secret has ever been made of it but I felt as if saying more than I did would be Quackish - those who may try it will do well to remember that the above doses are for great He creatures whom [...] [they] turn so effectually inside out that

[0008]

we have termed them "Rousers".

I cured myself and native companions in this way during my long journeys between 1852 and 1856 and that the remedy has no bad effect on the system may be inferred from the fact that I have had no regular attack of fever since my return. I have had little illnesses probably from exposure to malaria in its most intense forms, but nothing like what I formerly experienced. And I am of the opinion that, what we were all taught, not to give quinine till we had used the preliminary measure of relieving the bowels, was a mistake Query. Might the [remedy] not be applied to some of the fevers at home that arise in unhealthy localities. Around every village in this country, there is a very large collection of human ordure during the dry season - this is swept into the rivers by the heavy rains & you may guess the effect from hundreds of Thousands of villages. The natives here dont drink it, as the natives do on the banks of the Thames, but make holes in the sand to draw from. Possibly this has as much to do with the origin of fever as it has at home.

David Livingstone

1860 Tette 28th Nov^r