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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue......DEPARTMENT

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Not to be folded or roughly handled

No 3

Colonial Office
Cape Town 7 January 1871

From
J. R. Lockhart Esq.
Commissioner - Natal

To
The Secretary to Government
Revenue Department
Fort St George.

Sir.

The conclusion of the Colonial Commission in their reports is that quinine and Cinchonidine are nearly of equal value as febrifuges. The Commission state at para 2 of their second report published in Proceedings, Natal Government Revenue Department, 15 June 1868 No 1641 "In a large proportion of the cases in which they were tried Chemically pure sulphate of quinine and sulphates of quinidine and Cinchonidine appeared to indicate nearly equal febrifuge power and in equal circumstances their use produced almost the same physiologic-al effects."

In para 9 they append a table exhibiting the ratio of failure of the different alkaloids

alkaloids of the ~~cinchona~~ ^{peruvian} bark
and the ratio stands 1.092 for quinine and
 1.025 for Cinchonidine. ^{fixed}

2. With reference to this conclusion
reached by the Commission I have now
the honor to report for such notice as the Govern-
ment may deem needful, the contents of a
letter from Mr John Eliot Howard to Mr.
Dr. Ivor dated 1st October 1873, which Mr.
Dr. Ivor has obligingly put into my hands.
Mr Howard writes he should think the
probable produce of the Peruvian Cinchona
bark under most $2\frac{1}{2}$ grains of Sulph. Quinine
and $2\frac{1}{2}$ grains of Sulph. Cinchonidine.
Now, he says, "Such bark ought to be
worth a great deal more than we can afford
to give for it, for Cinchonidine is at present
literally a drug in the market. We cannot
be sure of any sale for it except the Home
Consumption in England where it makes its
way admirably and is patronized by
the large Hospitals in London. In India
the demand is high and the Government do
not buy it. They are now purchasing
16,000 or 17,000 £ worth of Quinine. If one
half of this were Cinchonidine the value of
the

value of the Government's plantations on the
Hilgris would be raised at least 50 per
cent."

3. I have asked the opinion of Mr.
Broughton upon this subject and Mr Broughton
concurs in thinking "that the use of Cinchoni-
dine Sulphate in place of quinine would
undoubtedly increase the export value of
Red Bark and would be but a consistent
following up of a course already commenced
by the Indian Government." Mr Broughton
however is of opinion that Cinchonidine
should be gradually introduced in India
instead of the sudden abandonment of
the well known Sulphate of Quinine
might cause much inconvenience. "The
change," he thinks, "should be at first
tentative."

I have the honor to be
Sir
Your most obedt servant
E. C. Cokerell
Commissioner.

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Kansas 1874 Defile.

Jan 23 No 48.

Noted 1/16 January 1874
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to the Secretary of the
Kansas Academy
of Science

Spencer contains
articles regarding
the use of sections -
and of the state in
the process of evolution.

Copy forwarded to the Surgeon Genl. I think
for his opinion - 23-57

1868
H. March 179