

EAST AFR. PROT
J. J. O'Connell

22306
REC'D
REG. 19 JUN 14

Parkinson J.
1914
19 June
Previous Paper.
22071

N. Frontier Dist.
Water reconnaissance.

States terms desired. Suggests that
he has the assistance of a Surveyor

Frank Hopkins (Mr Parkinson called yesterday
and told him that he was thinking
into the matter)
By G. Fiddler

See separate memo herewith.

Now tel. to Mr P. in reply to PW
20440

saying that Mr P. is ready to do the
work for £100 per month with field
all ^{cc} of £15 per month - that he estimates
that six months would be required for the
survey - that the S. G. S. would prefer to
allow half pay only and no field all ^{cc} for
voyages - ask whether he can detail a
surveyor with the qualifications indicated

and 11 July 22094

subsequent Paper.
25044

in Mr. P's letter - & say that Mr. P.
will probably have to be followed by
small working party ~~to dig~~ &
line the wells - party to be under
charge of man of type of Freeman of
Works, who has had previous experience
as to the further comm^{ts} will be
sent up Mr. P. selected

If Mr. P. is selected we can discuss
with me with the assistance of Col. Hooker
& receive from Browning ~~the~~ ~~to~~
~~the~~ ~~for~~ ~~the~~ ~~to~~

- (1) the relations between Mr. P. & the well
sinking party
(2) the composition of that party, &
(3) the steps to be taken to procure
the lining, wellhead tools, or as
soon as possible

There is a further question that ought
to be taken up ^(with the Premier) - namely, that
of appointing a pilot for the S.M.
a more permanent one? As I have
mentioned in my memo. there are two
permanent

Permanent geologists in the Sudan. with
Dr. Rhodina there is a Director of geol. &
Survey (Mr. Mansfield) £825 p.a. & two

Assistant geologists each with a salary
of £500 p.a. by the Commission
see minutes on $\frac{S}{19924}$ 1/13 S.A.P. It

would be easy, I think, to find sufficient
work of a more varied kind than
gold-prospecting to occupy a geologist
in the S.A.P.

- (1) The water supply could be
safely extended
- (2) The fuel question will have to be
before long on the agenda. The
the necessary traffic ^{our} ~~transport~~
will have to be supplemented
with ~~carriage~~ ^{supplies} (We ought to
know whether there is any way of
Rasht)
- (3) Oil
- (4) Search for minerals, less demanding
than gold.
- (5) Miscellaneous - One of Mr. Mansfield's
most useful finds was good
building stone in the neighbourhood
of Nairobi.

Note to commit ourselves unduly. The
may well be appointed for
the first instance in temporary
service - Term of 2 1/2 years +
6 months leave.

A. J. R.

11/11/14

I feel sure that the London can
help us considerably with their
experience.

It is very necessary to make our
arrangements for water on the
Archer Post - ~~Weymouth~~ road as
good as possible without delay
so that we may be able to use
this line of supply for troops
and police at Weymouth to the
best advantage.

A. J. R. 3-11/14

Mr. Harcourt

See Mr. Reed's separate minutes
among others - In the first instance
tel. as proposed.

Pr. 3.7.14

Yes H. 6.7.14

ROYAL SOCIETIES CLUB
ST. JAMES'S STREET,
S.W.

July 1st, 1914

Dear Mr. Read,

Since seeing you yesterday, I have again gone through such papers as I can find concerning the northern part of British East Africa and think that six months would cover, or nearly cover, the actual work on the ground, i.e. the district from the Uaso Nyiro to Almadu, thence to Waheir and a journey to Marsabit and Moyale.

In the Waheir country the occurrences mentioned by Laywood of sandstone and lignite suggest the presence of some thickness of sediment which is hopeful, if it be so, from a water point of view. Here, and perhaps at Almadu, we would like to spend a little time and sink a few trial pits, but much of the remainder of the country appears to be lava and could be passed over more quickly.

should be glad to talk the matter over with you at
any time, whether the Survey is carried out or not.

Yours very truly,



J. Read Esq. C.M.G., C.B.

The Colonial Office.

S.V.

Sudan Government.

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5, NORTHUMBERLAND AVENUE,
LONDON, W.C.

27th June, 1914.

107 Regent Street
Subscribers, Western
London
Subscribers, London
A. P. C. Code 514 1/2

Please refer to—
Director,
Commercial Intelligence Branch,
C. E. B.,
Chief European Passenger
Agent,
Northumberland Avenue,
London, W.C.

H. J. Reads

I have pleasure in sending you six prints showing well
sinking operations in the Sudan which may be of interest to you.
They give a good idea of the corrugated iron linings which are used
and of means of transport.

I am writing to Capt. Kennedy, Director of the Sudan Public
Works Department on this subject and also to Engineer Commander
E. E. Bond, late Director of Steamships, the subject of gliders and
will let you know later on about these questions when I hear from
them.

H. J. Reads

H. J. Reads, Esq., C.B., C.M.G.,
Colonial Office,
WHITEHALL.

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STATION HOTEL
DORNOCH

19 July 1914

Dear Sir

M^r Hewings of the Sudan
Government has written to ask
me to communicate with you
the subject of gliders
I am afraid I have prac-
tically no experience of them
The kite craft made at
Dornoch for experiment was
completed when I left
I should be pleased to answer

any questions that I could
answer and you would get
more detail by writing to the
Director of Steamers S. G. at
Haitnam

A light fast shepher boat
is fitted with several pro-
cess made of wood, driven by
small petrol engine by a
man alone.

The speed of six or seven
knots was obtained
and the idea has
many possibilities where

very shallow draught is a
circled without great spe
a power being essential.
I shall be staying here
two or three weeks and
permanent address is the

June 1888
76 Piccadilly

Yours faithfully

W. R. Bond

I understand from Dr. Strahan, the Head of the Geological Survey of Great Britain, that Mr. Parkinson is a capable man, but ~~his~~ terms strike me as being rather stiff.

This water question seems ~~to~~ to be a very important one and I have been trying to get a clearer idea as to the right ^{course} ~~policy~~ to pursue.

I understand that the French have been very successful in controlling some of their Touareg tribes in North Africa by providing water for them by means of Artesian wells. In this way the tribes are anchored to certain spots and are therefore more under control, they tend to lose their wandering habits and to settle down, and there is less inter-tribal fighting for grazing grounds. To a certain extent we already act on this principle in the Northern Frontier District, as we attempt to control the Somalis by occupying the watering places. Before we evacuated the interior of Somaliland I remember that a very experienced officer of the Protectorate suggested to me that the adoption of the French policy referred to above would go far to solve our difficulties.

A few days ago I had an opportunity of ascertaining from the Secretary of the Economic Board of the Soudan what the policy is there, and I was interested to find that the Soudan Government have two permanent geologists, whose time is almost wholly occupied in searching for water. After the geologists have located a likely spot they are followed up by a small working party in charge of a man of the Foreman of Works type (salary about £250 a year) which does the well-sinking. The wells are not artesian but are

sunk until water is reached and are then lined with corrugated iron (see photos herewith), the water being brought up in buckets by a windlass. The cost is small and the work is satisfactory. The Arabs are very keen and readily supply labour free of cost, wherever a well is dug a village grows up and there is greater intercourse among the different tribes, and the whole arrangement makes for peace and order.

I also asked Mr. Maufe, the Director of the Geological Survey of Rhodesia to come and talk matters over with Colonel Hoskins and me. He was employed by the East Africa Protectorate Government some years ago to look for water for the Railway and for other purposes, and his report was considered a very valuable one. He told us that the Rhodesian Geological Department is mainly occupied in looking for water. They have also a boring department which puts down bores for farmers at a cost, which must vary to a certain extent according to locality but which he gave as 12/6 a foot including piping. But he said that they seldom had to go deeper than 200 feet and that they generally struck water between 100 feet and 150 feet. The diameter of the bore is 2 or 4 inches.

He thought that our best plan was to send out a geologist to go over the ground and to locate likely spots and then to follow up with a working party as in the case of the Soudan. In that case it would probably be best, as Colonel Hoskins suggests to try to borrow one of the Soudan men, who has had charge of a working party in that country and

knows

who's the proper man to employ. I might be able to arrange this with him. You will see a reference in Mr. Hewitt's letter to "gliders". This is a shallow barge with an aeroplane machine, the propeller being fixed on a support at the end of the barge and working in the air. The barge only draws 2 or 3 inches of water, is about 4 or 5 feet wide, carries about 1 ton, and can do about six miles an hour against an ordinary current. The Soudan Government is experimenting with it and, if it is a success under severe tests, it ought to be invaluable on some of our waterways, such as the upper reaches of the Juba, the Uganda inland waterways, etc. This matter can be gone into on a separate paper after I have heard further from Mr. Hewitt.

London: AQUILA LONDON.
Telephone No. 4024 & 4025.

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22306
19 JUN 14

ROYAL SOCIETIES CLUB
ST. JAMES'S STREET,
SW.

June 19th. 1914.

Sir,

In further reply to your letter dated the 15th. of June, No. 20440/1914, I have the honour to state that I am prepared to leave for the Northern Frontier District of the Protectorate of East Africa to conduct the water reconnaissance therein mentioned for a salary of £100 per month paid in London, and a field allowance of £15 per month whilst in the Colony and payable at Nairobi.

I conclude that the usual camp equipment will be provided at Nairobi and that first class railway and steamer fares and expenses of transport and porters, including a riding animal, if such can be obtained and the salary be suitable for its use, will be paid.

2)

2) I would venture to point out that the services of a Surveyor competent to make accurate plane-table sketches and traverses of special localities and define the same still further by taking a latitude would enable me to render my report of much greater value and would also facilitate the subsequent location of important points. As a certain amount of route survey is almost a necessity, a suitable man would, I believe, considerably reduce the time taken by the expedition and I have, accordingly, the honour to request your consideration of this suggestion.

I have the honour to be,

Sir,

Your obedient servant,

The Under Secretary of State.

The Colonial Office. S.W.

P / 22306 Est

DRAFT

Telegram
Governor
Nairobi

25000

2/10/1907

J. G. Reynolds
Cape

MINUTE

~~22306~~

You recd. of 5 June 1907

Mr.

Mr.

Mr. G. B. ...

Mr. H. ...

Mr. J. ...

Lord ...

Mr. Harcourt

understand

Parkinson prepared to
plate base

carry out work £100
canine picadilla

per month field estimation
monticola a freight

£15 per month
phlogade monticola

estimates 6 months
required for monitoring
upward survey

stop Propose to allows
Silvergray propose to

half pay voyage etc

particulars

full allowance

stop

approval

Silvergray

Coating

Could you detail surveyor work

Orthology

(accurate)

to make obtainable

making

sketches

and traverses

and well locations

Silvergray

Rathernison probably

to be formed by

small

fills by

walking party

to dig

holes

and, line wells

I have no
field of
view
on which
to
draw

under charge of man

at least

111

presence of etc

layers

etc

(previous)

to camp

experience

(for this)

evitage

Commⁿ will be sent

you as to

this

story

presence

of

selected

stop

shall I

Silvergray

sarcophagi

Proceed with

apt. 2

porcelain

etching

person named

Patina

Harcourt