EAST AFR PROT 17/10 NORTHERN FRONTLER DISTRICT 912 Tre copy of letter from the Acting Director of Agriculture reporting on the blood slides and specimens. 3461 Vn. G. Fredder And a setset of the people 1 13 + 34-37 4 W Stary's refer to 8 18656, with upy f Set rep: some , to the 70 , while The to be for out to make for H Egypten Souder forts white the months diver a tamele recent to aft. I falm + if so, Metty they - my ment of a it tack at with afy 1 the despire Till Paris son

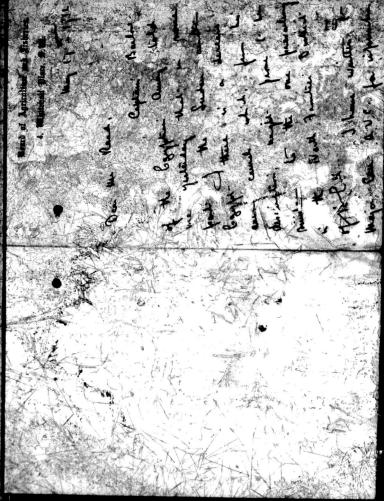
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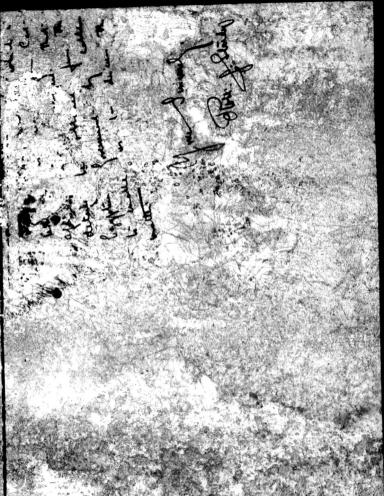
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Topre . So long as for cornels are properly treated is the 6 A. R. everything received as done there is western that this was not the case in hast Col there ers suggestion she wake a gloub suffrom went. at ouce ht. Auth. by winter or mutal vista from W. Real. W. Littine, old see, when when som in accept afaß





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GOVERNMENT HOUSE

Arithm East Arki

AFRICA PROTECTORATE.

No.317

Sir,

I have the honour to centium my telegram.

Dir.of Agri-Oulture Apl.17th 13 with a copy of a letter from the Action
Director of Agriculture on the matter in
question.

I have the honour to be.

Your humble, obedient servant.

ACTING GOVERNOR.

THE RIGHT HONOURABLE
LEWIS HARCOURT, P.C., M.P.,
SECHETARY OF STATE FOR THE COLOURES.
DOWNING STREET, LONDON, S.W.

To the state of th

Department of Marsouthire,

Netrobi,

17th April 1918

The Hem'ble,

the Ag. Shiaf Secretary to the Administration.

Str.

I have the memour to solmewledge the receipt of your Memo 8.1869 of leth instant tegether with a copy of telegram from London to this Governor, Nairebi of 14th April, and beg to report on the bleed slides and specimens mentioned therein as follows:

These blood slides and specimens were brought by Capt. Neave from Marsabit. Three blood slides from eattle showed no parasite. Ten blood slides from bovines snowed no parasites. Of eight blood slides from camels, one showed Taymannannes the remainder were negative.

Capt Meave reports that a disease an acting the glands in the region of the threat and resembling shape has caused some mortality among camels. Also that many camels appear eliminally to be affected with Drymansoniasis.

During the Diet few months wind cattle and cancil have entered Estracto Previous from Northern Presider District about 18 per cent of the camela have been found affected sing Engineerings.

No desidence of Expandiculated's Law both Found in the dabile The camels from Nerthern Frontier district are permitted to enter any blace in which a large number of atook are concentrated, i. a. they are isolated as far as possible, the prohibition of camels entering Laikipia would nearly partially put a step to trade between Northern Frontier District and the rest of the Protectorate.

Owing to the small Veterinary staff at present in the occurry and urgent requirement in and on the borders of settled areas a Veterinary Officer is not available for the Northern Prontier District, Nor can an Indian Veterinary Assistant be spared.

I have the monour to be,

Your obedient servent.

in Prain

Ag. Director of Agriculture.

extracts from a Report by Mr. R.J. Shorty, Chiar Veterinary Officer, East Africa Protectorate.

AN . V. M. 1 2 1172

The day after our arrival Cranworth conoff for a three days' shoot, while I collected and set up bugs, inspected stack and discussed business questions with Reage.

A peculiar sickness affective dama is well gone into too, and a postmorties examinated was made on one which had in dird. The dispuse is come thing like sumpa apparent of a contagious pasures and the natives state that it is not to them. Side opening of the gland has street to them. Side opening of the gland has street to the banglood and the cotted parts. Still, but had been austing of the tispues in the fevre of the tubout.

one larynx, and intelligible of the lissues with a white gelatinous material. Slides and specimens were taken and furwarded to the Veterinary Pathologist at Nairobi, and a plaction of worst removed from the camel's intentines were brought; England and sent for identification to Dr. Leipop at the London. School of Tropical Medicine.

Further investigations in regard to this disease will be undertaken.

The chief cause of the pre-adject in functions are described buring the early part of 1911, Coccadiosis - a linease somewhat like rinderpest - had run through the Rendile herds, causing great mortality; but according to reports received from Veterinary Officer Doherty, this disease had gradually died out.

On my arrival at the Frontier District at the end of August another disease, however, had made its appearance. This disease, which the natives say was new to them, resembled "mumpe". Captain Neave had made a preliminary investigation with regard to it, and had found that free opening of the swollen glands of the throat, or nevere blist-ring of the affected parts, was attended with beneficial results.

Several case of this disease came under notice during my visit to Marsabit, and on an animal which had died of the disease a post-mortem examination was held. The chief, and practically only, symptom of the disease is an acute and extensive swelling of the glands in the region of the throat. The onset of the disease is rapid, there is no temperature, and death appears to be due to asphyxia caused by mechanical obstruction.

The post-mortem examination showed an acute inflammation of the fauces and larynx. The glands of the throat were enlarged and oedematous, and the timenes of the throat and upper part of the neck.

Blood and gland amears, together with pathological specimens, were farwarded to the Veterinary Pathologist at Nairobi, whose report has not yet come to hand.

The rapid course of the disease suggested anthrax, but none of the post-mortems held by Captain Neave or myself were typical of this disease. That it may be an acute form of fly disease is possible, but here again the course of the disease, followed quickly by death, is contrary to our present knowledge of trypanosomiasss.

We were of the opinion at the time that the disease was of a contagious nature and from information lately received from Mr. Deck, the A.D.C. at Moyale, this opinion has been confirmed, as the disease has already spread through the Rendile herds causing considerable loss.

To cope with contarious disease among live stock in the Northern Frontier District is indeed a difficult problem, for the natives not only herd their stock in huge mobs, but, owing to scarcity of water, commingling of herds takes place at the watering places, with the result that any diseases of a contagious nature are contracted and appead far and wide throughout the District.

Since my visit to Marsabit, Captain Neave has returned to Nairobi, taking with him carefully collected data and a number of pathological specimens. He should therefore be in a position to assats the

Veterinary Pathologist in his investigations as to

Trypangedmiasas (fly disease) is also prevalent among camels in the Northern Frontier District. A number of camels telenging to a Boran caravan arrived in Mairobi in 1911 Several of these were found to be suffering from fly disease. In blood preparations taken from them an organism. morphologically indistinguishable from the T.evansi, was demonstrated. This organism is the cause of the disease known in India by the name of "Surra". Surra is a chronic disease in camels, and camels and cattle may harbour this organism for considerable periods without apparently ill affects. Surra is, however, an acute disease among horses, and as it can be communicated from sick to healthy by the bites of flies other than taetse, i.e. Stomoxys, it was found necessary to stop camel caravans coming South of Nyeri into the horse districts of the Protectorate.

Tactse fly (Glossina Longipennis) is found in many parts of the Frontier District, but the percentage of infective flies must be extremely small, for with all the large mobs of horses which have passed through this part of the Protecterate from Boran country and Southern Abvasinia, few of them have been found infected with trypanosomes.

The diseases affecting stock in the Northern Frontier Ciatrict, many of which are probably new to science, call for immediate and careful investigation.

A considerable quantity of data have already been collected

of a trained Pathelogist to elaborate our present knowledge of them so as to enable us to institute measures for their suppression and eradication.

Although the mortality among camels has been the chief cause of the breakdown in the Transport Service, there are others to which attention may be directed. These are:-

- (1) Insufficient number of camels.
 - (2) Immature animals.
 - (3) Inadequate grazing.
 - (4) , Shortage of water, sita
 - (5) The condition of the reads.

DRAFT COLD 14/9
DRAFT COLD 14/9
The start of the sept to Jam to 6 transmit 6 to low hope bear he Phay the see any of a day , and seed for the bad of the logs But , And an actual for a report by A. R. J. Mady the MINUTE. Oh taky Office respecting a Mr. Katches 7/6 4. Read 17 disease recembling mumps Mr. Fiddes. amongs comet in the traction Sir H. Just. Souther Dies of the Best Sir J. Anderson. Lord Emmott. 2 hr. Harcoul would be Mr. Harcourt par 317 May Report to 6 Trop much others of the bey word he food enough to meether (pt 20) (pt 20) how the Syphin of Indan but whether this winder during the bring goppe and Turner or if the whether they can former to 131 h And see we have meeted with to the state of Sf1 n 17132

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O. A. O. / W. 15. R. A. P.

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DRAFT.

ST AFRICA PROTECTORATE

Eury .

THE OFFICER ADMINISTERING THE GOVERNMENT OF THE EAST AFRICA PROFECTORATE.

m

MINUTE.

Mr. Col mengers/7

ding Me. Fiddes.

Sir H. Just.

Sir J. Anderson.

Mr. Harcourt.

Downing Street,

26 July, 1912.

Sir,

I have the honow to acknowledge
the receipt of your despatch No.317
of the lat of May forwarding a copyof
a letter from the Acting Director
of Agriculture on the subject of camel
disease in the East Africa Protectorate.

The Class from fast
2. Experience in the past

tal

easentially an animal requiring skilled attendance and supervision, and therefore although every means should be taken to diagnoss diseases and deal with them by isolation or otherwise. I sunnet being feeling that much might be done by a more carefully organized system of management and control. With this object in view

- (1) That one officer should be placed in charge of the whole of the Northern Frontier Civil transport.
- (2) That rules regarding marches, grazing and the general management of camels should be drawn to by this virieer in conjunction with the Veterinary Department and Lawritable an experienced officer of the Camel Company,
- (3) That li you think it desired a civil ciricers might in cortain

period to the Camel Compare for

- (4) That all soldiers and a proportion of the Police should go through a course of instruction of the loading camels.
- (5) That the provision of Indian salutris to loo after the camels should be considered.
- adopt these suggestions so far as they may be practicable; but as regards the fifth if you reof opinion that salutris should be provided, you should submit an estimate of the cost before taking any steps to obtain the men.
- 4. Is any event. I have to be much that you will inform me in the course what measures you have taken.

I have etc.

INDIA OF FULL

Downing Street,

Mr. Wel AF

Mr. Bullen 3 1.

Mr. Fiddes.

Sir H. Just.

Sir J. Anderson.

Lord Emmott.

Mr. Harcourt.

O. A. G. 317 let May

Sir.

i andirect d hour.

for India in Mouncil, the accompanying

co. if a des. of and enclosure, received from the Officer Advintatoring

the Government of the East Airica

y Mr. R. J. Stordy, the Chief Teteraning

Protecturate, and an extreon from a regort

Officer, respecting disque , hashail

mens, amones can le lo the Mortiero

Mr. Harcourt would be much officed if he Marchie of Oreme would be good enough to ascertain from the Indian Government whether this disease occurs in India, and, if so, who there they can furnish this Dapartment minimum usefully information as to its transport.

I am enc.y