
that the Imperial Parliament "should make provision for a definite and substantial annual contribution on a far more liberal scale than has hitherto =been contemplated".

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Governments concerned will have a going concern to assist and indefinite discussion will come to an end. We shall also have something on which we can go to the Treasury for next year's estimates; and we should know definitely before the end of the year what money will be available in 1926/7 and what staff can be appointed. It will go better to start on a small scale than to continue correspondence in the hope of beginning in a large way at some future date. If'we get the right type as Director, he shouldwehelpful in influencing East African opinion.

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## EX"RACT Prom letter ta Mr. Ormsby-Gore fron Mr . A. Wise leswort dated Fanga, March 20, 1925 .

Everyone I have felken to it in foyour of reapening Amani and the soomap the better. Hollis adrocates endomment with Goverament lead. Zanzibar rould yote C1200 a year. The Seychellos will also come forward and I think Hauritius should be approcehed for say \&1,000 a year. Amani would do the scientific sork now scattered, for instance Zanzibar employs a mycologibt.

> I found in India seientists in Pusa pecea and in Perideniya Ceylon, anxious to come to Amani: Dr. Clouston, Agricultural Adiviser to the Government of India or R.S.Finlow, Director of Agriculture of Bengal whose famous work in connection with plant breeding for improvement of jute has resulted in an addition of millions sterling to the value of that crop, would either of them make an admi rable head; bit there is much to be said for the re-engagemeat of Dr. immermenn (now 68 and obviously capable of onlyla fer yeare service). He knows there all the trees and plantis are placed and could undoubtedly reconstruct in half time
 Sir,

With reference to your telegram of the 10th of February, I have the honour to give below a short statement of the proposals in connection with the disposal of the 2 estates in the neighbour. hood of mani Institute, the ownership of which has passed to this Government from the German Royal personage whose property they were before the war. * 2. The KN KKOro and Kihuhui estates are in extent about 7500 and 11000 acres respectively. In December, 1923, Sir H. Byatt decided that an area of from 1400 to 1500 acres of the Kwamkoro Estate, roughly coinciding with the area planted with coffee and an area of the Kihuhui Estate not exceeding -2500 acres, including some 900 acres under Sisal, should be disposed of on long leases, the remaining areas of the estates being retained as native reserves. Earlier in the year 1923 the Director of Agriculture in a memorandum, a copy of which is enclosed, had
the Amani $I 2$ titute complete as a free endowment, but Sir H. Byatt was not at that, time prépared to discuss the proposal. In February 1924 the Director of Agriculture, who was about to proceed on leave, was informed verbally by Sir H. Byatt that there would be no objection to his makigf his endowment scheme a basis for discussion at the Colonial office. The question of the disposal of the estates on lease has accordingly rematied in abeyance pending Mr.Kirby's return from leave. .
3. On his return Mr.Kirby submitted a memorandum, a copy of whi ch is enclosed, in which it is stated that the endowment of the Institute was favoured generaily by various Conferences held at the Colonial office but that discussion of the schere was deferred pending the receipt of the views of the local Goxernment.
4. I confess that I can see little merit in the endowment proposal s from the point of view of this Territory. The developed portions of the estates in question can be leased by the Government for a substantial sum and there appears to be no occasion to resort to any such unusual procedure as the endopment of the Institute by the gift of Government owned properties. Whether the Government forgoes the revenue resulting from the rents of the estates or increases its expenditure by making a direct contribution to the cost of upkeep of the Institute, the immediate financial effect will be the same; but It has to be borne in mind that the eventual value of the estates may far exceed any direct contribution that would be contemplated, or required and the
position might then be that the Institute would be maintained, for the benefit of Bast Africa generally, mainly or entirely from funds whit dritwould normally have been credited to the revenue of this Territory. The Treasurer has expressed the opinion, with which I agree, that the proper course fa for the Territory to contribute directly its fair share of the expenses of the Institute and that the developed portions of the Kwamkoro and Kihuhui estates, which are at present leased year by year for the purpose of collecting the corvee and sisal crops and which it is anticipated can be leased for not less than 22500 a year in the first instance, should be disposed of independently of the Amant Institute question. The estates are deteriorating and will cor tue to deteriorate until some definite policy with regard to their disposal has been decided upon. I enclose a map, together with avail able in the neighbourhood of Amani for any necessary research work. Morover it should not be difficult to frame the conditions of lease in such a form as to secure to the Institute such facilities, concessions, or control in or over the Estates as might be considered desirable in connection with agricultural experiments of research work /f.
5. I should mention in this comexion that I have recently received a letter from the Acting Governor of Kenya in which he states that his Government would be favourably inclined to take, part in any joint movement for enlarging the scope of the
work done at the Amani Institute with a view to its use as a Central Research Institute for British territories in Bast Africa, and offering to send representatives to any Conference on the subject that may be in contemplation. I understand that a proposal is about to be put forward, as a result of the visit of Mr,Ormsby-Gore's Commission to East Africa, to secure a direct grant in aid for the Institute from the Imperial Government, and that, fo: the present at all events, the future of the Institute depends on whether that grant. will be forthcoming. If the grant is obtained the next step should be, I submit, to obtain the services of a really competent man as prospective Director to fram a scheme of work and an estimate of the annual cost. Thereafter a Conference of the Goverments concerned could be held if then considered necessary I may add that I have received information within the last few days that there is good prospect of obtaining a suitable Director for the Institute from India and I understand that this information is beine comrunicated direct to $M r$.Ormsby-Gore by $M r$. Alfred Wigglesworth, who obtained it during his recent Visit to India.

I have the honour to be, Sir, Your most obedient humble servant,

GOVERNOR.

12/ALV.
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## MEMORANDUSS.

Regarding provision for Amani, elther (1) to add to its present resources, go as to enable it to nod it to start according to Scheme C put forward by the Conference on the re-establishent of the Inatitute now, or (11) to supply assets whereby provision for capital expenditure may be made, either by directly spending the yearly income or by using part of it to provide for interest on, and repayment of, advances, the proposal would be to hand over to Amani, as a free enoowment, the (Crown) Estates (Kromkoro, with Sangarawe, and Kihuhui) and the coastal Government Cooonut Plantations (without. prejudice to the removal of any trees for medical and sanitary reasons), for use as sources of income by the Commission, Board, or other-named body, that will have to be formed for the conduct and administration of the Institute.
2. At the present time the revenue from these properties is \&4621, comprised as follows:-
Lease of Kwamkoro. Estate \&2,000

| Royalties from Kihuhui Fstate |  |
| :--- | ---: |
|  | (sisal) |

Leases of Government coconut Plantations.

23, 219
Total $£ 4,621$

- The suggestions under plans I and II (see above) would be as detailed below.

3. PIAN I. TOR ADOPIIONT OF CONIERBNCS SCHBIM $C$.
(3) W111 be more.

Uganda has promised $\mathbb{2 2}, 000$ and Zanzibar $\mathbb{E 7 8 0}$ ( $7 \frac{1}{2}$ p.c.of 2l0405). This would give, as direct contributions:-

or virtually sufficient for beginning with (Scheme $C$ ) inmediately. The great objection is that no provision is made for fluctuations in the revenue from the endowment or for the development of theproperties comprising the latter.
4. It would appear however that the above arrangement for plan I could well be modified by using part of the endowment income for borrowing money (at 4 p.c. is suegested) for making up the subscriptions. I have gone 1.ato the matter very carefully, and have come to the conclusion that the borrowing of a lump sum for the purpose, to be gradually repaid, is not posisible or expedient because of: (1) the fact that the properties, In their present condition, do not constitute a gecurity of sufficient value for borrowing a large enough sum; (2) the temptation that the possession of a fair sum of money would give toward excessive spending from it in early years and postponement of repayment that would saddle the Institute with debt for many year a A better plan would appear to be to use the endowments as security for advances, the income from them being partly employed for providing interest and repayments. The yearly provision would then be made up as follows:-


This would leave $\& 2,000$ of the endowment income for paying interest and making repayments, and for expenditure on improving the endowment properties; but this would be little enough for the purpose.
5. It would be proposed to borrow these yearly advances, of 22,000 for ten years at $4 \mathrm{p} \cdot \mathrm{C}$. on the accumulatine sums, the total sum borrowed being repaid in 25 years: the appended simple table shows how this could be done. It is hoped however that before ten years had passed the contributions from neighbouring Dependencies would be sufficient to enable the endowment income to be spent in another way; and this leads to the consideration of the second plen (11).

> PLAN II. FOR RXTRNSION OF THE INSTITUTE AND IMPROVHENT OF PROPERTIES.
6. The great weakness of $\mathrm{Plan} I$ is that it provides very little for extending the Institute or improving the properties of the endowment, even when modified as the second alternative. The ideal arrangement would be that the Institute should have at first an income sufficient for its yearly needs, from the Dependencies represented by itf Commissioners; whilst the whole of its income from endowments would be employed in providing the means for capital expenditure on extension of the Institute itself and improvement of its properties. For ressons given already, the income could be most usefully assisted in its


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## 3.

| Advance | $\ldots$ | $\mathbb{E 2 , 0 0 0}$ |
| :--- | :---: | ---: |
| Share of endowment | 2,621 |  |
| Tanganyika | $\ldots$ | 2,601 |
| Uganda | $\ldots$ | 2,000 |
| Zanzibar | $\ldots$ | 780 |
|  | Total | $-210,002$ |

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7. Taking the first year of the working of the plan, and the endowment income at about its present rate, say 24,500 , the Institute would have a suin of about $\mathbb{2}, 500$ less $£ 580$, namely $\mathbb{E}, 920$, to spend on capital extensions and improvement of property; whilst the yearly small increased expenditure through modronecert enhanced interest (see table) should be much more than made up, over a period of years, by the enlarged incomings. In the upshot, the Institute would have had the use of an additional 220,000 during ten years at a cost of 48,320 . In this time, through the outside use of its expert staff (espevially in the neighbouring, easily accessible estates of Kwamkoro and Kihuhui) and such means as the giving of bonuses to lessees for extensions and improvements leading directly to increase of income from the properties, the value of the endowments should have been so enhanced as to allow those to be leased for sums that would go far (if not all the way) tourara moking the Institute self-supporting, especially as the neod, fof
work by means of yearly advances overi a period of year Tepayable throughout a longer period. As far as can be seen at present the arrangement for advances augested already would be most feaaible, as aupplying a riveful sum of money yearly with as Iittie strain as popistble upon the income; and in this care the tame aiready given would also epply, The simplest way of utilising the endowments for bringing income would appear to be continue the present method, whereby the properties are leased; but longer leases; with a conseguent greater interest in the properties on the part of the lessees, would be possible.

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urgent and large capital, expenditure will no longer
exdst.
I belfeye that if the Territory would approa the matter in a generous way, and make the suggested endowment (whtch, after all, yields a yearly sum tha is negligible for purposes of revenue), Amani would placed in a position that would help both to bring th confidence of outside Dependencies and their adequate assistance in the eariy stages, and to enable it eventually to possess an income of its own that would greatly lessen, or eventually abolish, the yearly expenditure of the various Dependencies of the place. Ita intrinsic value would al so be enhanced, and its. opportunities for extension of activities increased; ar its degree of independence would give a stimulus to i activities that is not possessed by institutions supported entifely by Government grants or doles. I know that you would like to see the place alive and functioning; and (as far as I can see) the adoption of a plan based on the foundations suggested hold ds promis of bringing the happy day of its rebirth nearer. I sha yalue your opinion of the suggestion.

Sg d. A.H.KIRBY. DIRECTOR OF AGRICULTURE.



## The Hontble the Chief secretary,

Dar-es-Sal aam.

The matter of the rehabilitation of Amani farmed the subject of conversations at the Colonial office at different times between myself and $S i x . H . J$, Read and tir.C. Strachey. Further it was brought up at a large preliminary conference, held at the Colonial Office in the first months of 1924 , under the Chairmanship of sir Herbert Read, to discuss the subject of Hast African agricultural appointments, at which there were present those who became members of Lord Miner's Advisory Committee (including Sir Daniel Hail, Professor J.B. Farmer, Dr.A.I.Hill and the lister of Christ's College, Cambridge). the Directors of Agriculture of Kenya, Uganda and Tanganyika (and of NIGeria and, the Gold Coast), and Mr.H. Martin fake, Principal of the Imperial College of Agriculture, Trinidad; and after the Directors of Agriaul ture in Bast Africa had, by Invitation of the Chairman, Given their views on the matter, the conference passed unanimously a resolution urging the early Reconstitution of the Armani Research Institute on an efficient basis for its original work. Lastly, toward the end of the year I attended
a. meeting of Lord Miner's Advisory Committee at the colonial office (to give expert evidence in regard to East African agricultural appointments): a meeting which Mr. Strachey attended
sprectally, as the opportunity was taken of asain bringing up the matter of Amani, and at whi ch (in addition to other, related matters) I laid stress upon the importance of delaying the leasing of Kwamkoro and Kihuhui (in the special reference), news of the proposa for long leasing of tho ese estates having just reached $m$ through the. Department of Agriculture. This meeting unanimously adopted a resolution regarding Amani simila to that of the conferegce mentioned already. I have had the advantage of discussing the affairs of Atani on several occasions, up to the day before finally leaving Ingland, with Dr.A.W.Hill, Director of the Royal Botanic Gardens, Kew, whom I have ke tregularly informed while 1 the Teriitory regarding the interests of sthe Institute.
2. The chief conclusions that emerged from these conferences and discussions were:-
(a)
a) That the Amani Research Institute should be reconstituted for its work on a tho roughly efficient basis, no half-measure being worthyl of consideration.
(b) That the Director appointed for this purpose should be a man of proved ability, willing "to make Amani his life's work".
(c) That in order to obtain the services of such a Director, it would be necessary to be prepared to offer a salary for the post conaiderably greater than that already contemplated.

That such a Director and adequate staff could not be obtained without guarantee of continuity of work and appointment.
(e) That endowment of the Institute would assist in bringing about such continuity; but that the discussion of such schemes as this, and the production of quinine on a large scale by the Institute, also mooted, should await the reception of the pertinent views of the Tanganyika. Administration.
(f) In bringing forward the matter of endowment, stress was laid upon the following considerations:- position of the Institute strengthen the institution.
mention at endowment with the estates (situated usefully would increase the near the Institute) time lessen the extent to which the in Institute would be dependent ch the for upkeep on other sources. for provisi
4) That such endowment would widen what may be called the research area of the Institute, in a way affecting particular. 1y: high-level tropical crops, forestry and sisal (at present the most valuable export of the Territory, and in the beginning a "legacy" from Amani).

Territorionsidering expenditure on Amani, the -ing Amani would supply will wise that a work experts for whom their the services of Agriculture would have to ask, as add their staff, in time to come, if actions to provided otherwise.
(h) That a working Amani would supply the results of team work for scientific investigation regarding problems common or particular to East African Dependencies: results of value to them (and to the world of tropical dgaxiniknuxat agriculture), and unattainable otherwise with either equal certainty or, equal speed.
(k) That the normal development of the Institute is in the direction of a research organisation affording eventually the facilities of a tropical agricultural college serving primarily the interests of British Central africa.
3. I may say here that, at the suggestion of the Hon. Treasurer of the Territory, advantage was taken of our being together recently in Kenya, so that a meeting was kindly arranged by the Chief Secretary, Kenya, between himself, ourselves and the Director of
Agriculture, Kenya, for the purpose of discussing the
affaire of Amend, more particularly in relation to financial provision for the Institute. In the result, the Treasurer stated that he would bring to the potion of the Tanganyika Government the conclusions made in? this meeting.

## Sgd. A.H.KIRBY.

## DIRECTOR.

## I

## NOTE .

Area edged Red is Kwamkoro Estate.
Hatched red is the area planted with coffee, which it is proposed to lease on 99 years lease (about 600 hectares).
8) Area therefore available for Amani containing high Forest Land is about 2400 hectares or 6000 acres.

Area edged Green I-s Kihuhui Estate (Sisal) and it is proposed to lease the area hatched green approximately 1000 hectares.

This will leave an area containing Forest Land of 3472 hectares or 8680 acres available for use of Amani.
2. The total area thus available for Chinchona production and Forest research will be 14,600 acres or roughly 23 square miles which is an enormous area of country to be used for scientific research in connection with economic products.

Amani is shewn edged brown and is separated from Kwamkoro by a native reserve roughly a mile across.
3. If the leasing of these two properties is held up for another six months they will deteriorate still more in value.

Sgd. J.P. Tolland.
Land officer. 4.12.1924.
iff: $\qquad$ $\frac{1 / 2}{205 s / / 25} \quad \frac{5 . \text { a/uim }}{T T}$
Mr.
Mr. Chsin 3.7
K Mr. Strachey.
Sir. J. Sh vakhurgh
Sir C, Dave.
$\operatorname{Sir} G$. Grindle.
Sir J. Masterton Smith
Mr. Ormsby-Gore, $\geq$ ?
MF. Amery.

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Enclosures of






