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The Gorman Administration of what is now the Tanganyika Territory, whatever its shortdomings in other directions may have been, was at least alive to the necessity of such scientific investigation. To this circumstance we see the existence at Amani of an Institute for agricultural research, established with a view to the contact of scientific research as continued with the administrative and technical work of the Repartment of Agriculture of the Colony. This scientific machinery has been taken over in good working order. The question for consideration, therefore, is what should be done with it. Three alternatives are possible.

The first of these is obviously to put the machine to the use for which it was designed. The second is to abandon the Institution. The third is to utilise it in some manner as an amount to the Department of Agriculture of the Tanganyika Territory.

The adoption of the second alternative is a course for which defence is possible. The only difficulties connected with its adoption are the consideration that by so doing what might be a valuable asset to the short of last Tropical Africa is being thrown away, and the reflection that it sight induce the erroneous belief that the new Administration different from that which proceed it in regarding scientific assistance as of no consequence to the most important industricly the Territory. This we feel accurate is not the case, and the argument for abandonment of the Amani Institute would really depend on a decision as to whether the financial state of the Territory is such as to justify the acceptance of responsibility for the recurrent expenditure which the maintenance of the Institute must involve.

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Sir David Prain proceeded to outline a scheme under which the Institute should be maintained and extended, so as to serve as an agricultural Research Institute for the conjcint benefit of all the British Colonies and Protectorate in East Africa, independent of the control of any of the Departments of Agriculture in those Dependencies. The presence of scientific research officers in the agricultural Departments could be considered; be dispensed with, and it might be possible to transfer them, or some of them, to Amani.

It is worth noting that this was written on the 20th of June 1920, and that in fact the third alternative described as "wholly indefensible" has hitherto been followed and seems likely to be abandoned only in favour of the second. The subsequent history of the matter is briefly as follows:

The Secretary of State (Lord Nilner) adopted the giews of Sir D. Prain as to the future of Amani, and on the 11th of August addressed a despatch to the Governors of Kenya, Uganda, Zanzibar, Tanganyika and Syssaland (Somaliland was excluded) strongly supporting those views. It was estimated that the total unnual contributions to the nest of the Institute from the administrations concerned should be \$10,000, divided up as follows;-

Tanganyika £3,000 Kenya £2,500

Uganda

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Uganda \$2,000 Zanzibar \$1,500

Nyasaland £1,000

Sapenditure required for initial equipment etc. was tobe divided between the administrations in proportion to their annual contributions. It was added that if the Governors agreed to these processals, the Secretary of State would ask the Colonial Research Committee to consider favourably the question of supplementing the contributions by "a substantial grant" from the funds at their disposal. Sarly replies were requested.

The result of the Secretary of State's despatch was as follows:-

Tancanvika was entirely in favour.

Kenys did not reply definitely till behausy with 1921 (received April 24th, 8 months after the Segretary of State's despatch). They provided \$500 in their estimates for 1921 "to cover necessary expenditure insured in that year", but put forward various criticisms on the adhene and recommended that other should be long until the Heads of the Agricultural Departments of the Department's agreement had considered the subject in Conference.

Dennie were willing to contribute the £2,000 supported but asked (and mere allowed) to put £1,000 only on their settmates for 1921-22, as £5 semed unlikely that more souls be required.

Zangihar: had great founts as to whether Amani
would be of any use to them, but agreed to
provide

provide the £1,500 asked for, provided that the other Dependencies came into the moheme, and on condition that they right withdraw if after a few years they decided that they got no corresponding benefit from the Institute.

Amani. They would be unable to dispense with any of their specialists in view of the peculiar requirements of agriculturalists in the Protectorate.

They were unable to agree to any contribution.

Director, after considering them, agreed that a Conference such as were senseted by Kenya, was advisable. The deversor (including the Governor of Syamaland) were asked to arrange one; to meet sither at Amani or elsewhere in Tanganyite. The Conference was to submit two "detailed non-meet, with estimates of cost;

- (1) For immediate action as to necessary repair and re-equipment of the Institute.
- (2) For the larger scheme' as originally put forward, and also, if they had any objections or oriticisms of the scheme, to state fully their reasons.

The Secretary of State (Mr. Churchill) resterated the views expressed by his predecessor in favour of the original scheme. His despatch was dated July 14th, 1921 a year having now elapsed since the scheme was first put forward, (20694/21).

Acriculture in Conference, and Nyasaland was imable to

spare a representative. The Conference however took place at imani on December 6, 1921. The Birectors first examined the full or "extended" scheme, considering that any interior subsme for immediate adoption should properly be frawn up with the larger scheme in view for future adoption. The estimated the annual recurrent expenditure involved under the full scheme at \$18,390 rising to \$20,490 of which £10,790 to £12,890 for staff and the balance (\$7,600) for upkeep, travelling and other expenses.

The capital expenditure (Repairs, extensions, equipment) they estimated at £25,800, but this figure includes £5,000 for an electric aerial railway and a lighting scheme, which the Governor of Tanganyika considered to be premature. The Conference however, while submitting this as an estimate of the cost of the full scheme as put forward by the Secretary of State, successed certain amendments under which the annually recurrent charges would be reduced to £16.400 rising to £13.40 and the papital expenditure to £21,000 (omitting the works remarded as premature and allowing for only two new residential houses).

As regards the alternative "scheme for immediate action", its cost was estimated at \$6,110 to £7,000 annually for malaries and \$3,450 for other recurrent expenditure:

Total:-19,560 to 110, 40 recurrent; and
15,000 for capital expenditure (repairs of receptions).
The estimate for valaries does not include "compensatory allowances" which were payable at the data of the record at the rate of 25% on calaries. This would involve an addition of f1,200 to the annual expenditure, but it

may be observed that these allowances are now being gradually diminished with a view to their shelition in two or three years' time.

This interim scheme provided for a Suropean staff consisting of a Director at £1,000, and Assistant Director (£700 - £900), 2 Research Officers (£600 - £800) an Assistant Research officer (£500-£600) a Recorder-Librarian (£500-£600) a Head Cardener (£350-£450) a clerk (£250-£400) and an Overseer (£250-£300). It also included provision for one Asighia and nine African subordinates,

The only serious criticism of the scheme put forward by Sir David Prain was directed against his risk that if the Amani institute were established on a proper froting the local agricultural Departments would be able to dispense with their scientific officers. The agaments brought forward were forcible, but it is unnecessary to recapitulate them here.

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if the respective Communicate agreed to contribute on the
lines surgested, he would sak the Colonial Seararch
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proposed that the Governments should provide 75 per cent
and the Colonial Research Committee 25 per cent
annually requiremt expenditure. The contributions of
the Governments would then he:-

Tunganyika 25%

Kanya 17 4%

Uganda 16 %

tyassland 10 %

Zensihar 745

As to the capital expenditure, the Conference

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Tengenyika 25% Kenya 176% Umanda 18 %

Tyansland 10 %

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As to the capital expenditure, the Conference

noted that Sir Bavid Prain had expressed the view that it wight be met from imperial funds, in view of the importance of the Institute to the Empire generally. They also suggested that the Empire Setton-growing Corporation might be invited to contribute towards the capital expenditure. They were afraid that if the Governments concerned had to meet these charges, the operation of Agadema would be delayed and restricted. It may be added that one of the recommendations of the Conference was that the branch builtway to Sigi, near Amani, referred to show, should not be Plapowed of to a private firm, but should be retained by the Government of Tanganyika,

Taking the estimate for the interim scheme at £10,000 annual and £5,000 capital, the distribution of examples would work out as follows (without allowing for any contribution from the Tampire Cotton-growing Corporation).

Annual (£10,000)

(a) If Colonial Research Committee con-

Colonial Research Com	nittee	£2,500
Tangany 1kb		2,500
Kanya		1,750
Uganda .		1,500
lyanal and		1,000
Canelbar		750
A. Carrier		0 /000
3	EI	0,000

(b) If the whole charge: is home by the

Governments:

Tanganyika

Tanganyika (	may) £3,334
Kenya	2,333
Uganda	2,000
Nyasaland	1,333
Zanzibar	1,000
	£10,000

Capital (£5,000)

If home by the Governments in the same proportions

Tanganyika	(say)	£1,667
Kenya	(uay)	1,166
Uganda	24536	1,000
Nyasaland	(say)	667
Sanzibar		500
		25,000

This estimate for the Interim Scheme, known as "Satimate O" was recommended by the Conference for adoption with the suggestion that the whole of the £8,000 for Capital charges should be horne by the Imperial Government and that the annual charges should be distributed as in (a) shove, the Colonial Research Committee hearing a quarter of the cost, and that the Empire Cotton-growing Corporation wish the induced to give a subscription - in which the contributions from their sources would be pro table reduced.

The Governors now gave their opinions on the Conference proposals:-

Tanomovika (Gir R. Syatt) accepted the proposale (9981/22)

Kenya: (Sir E. Northey) rejected them without examining the scheme, as the financial position "shoolutely practuded any contribution for the present". This was in

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March, 1922 (17467/22).

not prepared to commit the Protectorate to any definite recoverent expenditure, but would be prepared to provide the liberally as circumstances would permit (20878/22)

Ryaceland; (Sir G. Smith) Again pleaded poverty and dread of further commitments if the scheme were extended. The Protectorate was in financial straits, and the Governor felt that any momey available could be better spent (s.g. on Medical and educational work for the natives (28307/22)

to contributions under "Estimate C" provided that Golonial Insearch Committee contributed as proposed. (228-4/22).

Since these despetches were received, no progress that ever has been unde. It was generally impracticable to invise on Egnya saking a contribution, and in view of the deplorable state of hyasaland's finances (and of the fact that she was really less acqueered than Kenya) it was thought hopeless to ask the Transury to sanction a contribution from Nyasaland. The only thing that was fone was to approach the Sepire Botton-growing Corporation, for a grant towards the upknep of the Institution, but they decided that the situation of Ameri rendered it unlikely that the Institution would be of sufficient direct benefit to their work to justify a contribution (37121/23). Kew Gardens has arged that the mayber should not be allowed to drop and has expressed the hope that the larger schemes as assended at the Conference will be adopted.

In the meantime the Governor of Tanganyika has been carrying on with his original skeleton staff. We had to tell him on August 13th last (37171/23) that the achieve for a central research institute must be

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In the meantime the Governor of Tanganyika has been carrying on with his original skeleton staff. We had to tell him on August 13th last (37171/23) that the scheme for a central research Institute must be regarded as "in abeyance".

In the estimates for 1923-4 provision was made for an expenditure of \$4,614 on the Institutes(salaries 98,039, other charges \$1,875).

The Governor has included in his Setimates for 1924-5, now under consideration and shortly to be submitted to the Treasury, a provision of only \$2,172 (calaries £1,227 other charges 1945) and says that in future years about 21.800 will probably suffice. His separate despatch (49434) 23) is of such interest and should be read as giving a brief history of the subject. He points out that under the present arrangement there is a waste of money. He cannot bring himself to recommend the abolition of the Institute, but as there seems no prespect of any joint scheme being adopted, and as he has to justify to the Colonial Office and the Treasury every penny of expenditure, he feels that things cannot up on as they are. He consequently proposes, and has budgetted accordingly, to spend the very minimum to keep the place from ruin, and to dispense with all the staff except a gardeney - care aker and som - labourers. The apparatus, Library, Collections, and the fabric, will be inspected from time to time by officers deputed for the purpose.

It will be remembered that the expense of the "Interim Scheme" was estimated at £10,000 a year nlus 25,000 capital expenditure. The proposals (agreed to by Mr. Ormsby Gore) in the Minutes on the Governor's despatch 49434 only amounted to this: That when the Myasaland Satimates were submitted to the Treasury, the Treasury should be asked to sanction £1,000 from Myasaland funde i.e. an addition of that amount to the Grant-in-Aid - as a contribution to the Institute, telling them that if they sanctioned this we would Jamprosch" Kenya again, and

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The position therefore is that we have nothing definite whatever to put before the Treasury as regards contributions from any local Government with the exception of Tanganyika Territory, and even if we pursuaded the Sepire Cotton-growing Corporation to give \$500 a year, which in view of their recent refusal is most improbable, that would be only a trifling part of what is required

and also the Sepire Cotton-growing Corporation. This has not been done, for the following reasons,

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- The Treasury would naturally say that the British tam-payer did not come into the matter until all the local governments had done their share.
- apparent that Kenya was not the only Dependency which had objected to contribute. The latest pronouncement of Duanda was to the effect that they could not provide anything definite, but would be "as liberal as circumstance admitted", and Zanzibar only promised to contribute if the Colonial Research Committee bora a quarter of the cost (as to this, see later). This mount 1750 a year on that condition and (possibly) 2500 down for as itsel expenditure. This stipulation on the part of Kansibar was pather unreasonable, as it was laid from at the first that any request made to the Colonial Research Downittee was conditional on the Governments concerned agreeing to contribute.

The position therefore is that we have nothing definite whatever to rut before the Treasury as regards contributions from any local Government with the exception of Tanganyika Territory, and even if we pursuaded the Sepire Cotton-growing Corporation to give £500 a year, which in view of their recent refusal is most improbable, that would be only a trifling part of what is required

and the utwest that they could be expected to say (like the Treasury) would be that the dependencies were the parties mainly concerned and that when the latter had done their duty the Corporation might then reconsider the matter.

The opinion I have formed is this. If the institute is to be retained as a centre of research, it must be at the joint expense of the dependencies who will benefit by it. It is too hig a thing for Tanganyika Territory alone. Outside bodises such as the Colonial Research Institute and the Supire Cotton-growing Corporation can hardly be asked to contribute until the Adminietrations primarily concerned, which are all under the control of this Department, have decided to do so. As regards the Colonial Research institute, it will be remembered that all we undertook to do mus to ask them for a substantial grant' if the Governors screed to make contributions. The assumption of the local Conference that this quald be interpreted to mean that the Institute which he asked to bear 25% of the annual cost - \$2,500 year - meems to be quite baseless. I me informed by Mr. Baroley that their disposable funds amount to less then that empunt per enries, and that it is contrary to their practice to promise annual payments.

If therefore the institute is to be retained as a centre of research, the other dependencies must contribute, and as none of them is prepared to its as unconditionally, they must be required by the Secretary of State to provide the money. Length is far the most important of the group concerned, and as long as we acquired in their refuel to contribute it seems to

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If therefore the institute is to be retained as a mentre of research, the other dependencies must contribute, and as none of them is prepared to do so unconditionally, they must be required by the Secretary of State to provide the money. Kenya is far the most important of the group omnormed, and as long as we acquired in their refusal to contribute it seems to

me impossible to ask the Treasury to provide money for a contribution from Hyassland, which is only somewhat remotely concerned.

If we are not prepared to make Kenya contribute, the scheme of a joint Institute must be dropped, and there is nothing for it but to accept Sir Horace Byatt's conclusions as embadied in his last despatch, and close form the Institute, keeping only a caretaker staff.

Pebruary 25, 1924.

Mr. L Lill & Madrie age yours Jenstiff -I Law species the Chileston in one month They sha

We suggested to the Treasury that a total of 28000 should be found for Amani in 1924-5, making no distinction between recurrent and capital requirements. The distribution which we suggested was:-

Color	131 E	estaro!	Committee.	<b>81</b> ,000
Tanga 4 (£2	nyika 172	alread;	provided)	8 000
Kenya		7.74		7188
Ugand	A		155	1,000
Zanzi	bar	1. jk	1	1.000
Nyass	land	11	10.00	<u></u>
	,		100	28,000

The Treasury ask that Kenya should give £250 and Nyasaland £100, allowing the Tanzanytka, contribution to be reduced by £350; i.e. to £4,650. I do not follow the statement at the end of the penultimate paragraph about a consequent reduction of the provision in the Tanzanyika Territory estimates.

But the Tressury do not as far as I can ass sanction snything at all in this larter. They expire somiday the contributions of 2000 and 2100 from Rengal and Bylaniand management above an assurance that in future years contributions will be furtherming from all the administrations and from the Polonial Research Completes approximately in the lines laid down by the local conference and tubulated in this letter. We told the Treasury that the offer of the Colonial Research Committee was confined to two grants of 21000 each, so that we cannot expect anything from

the Committee after 1978 26. Therefore the prepertions from other sources will have to be increased aren that year is over.

As to the Sigi rativay, its shich reference to made I have discussed it with Sir H. Byntt and he son in favour of not buying it in 210,000 is provided for the surpose is the Satimates, but Sir Byatt says that he believes that a motor road sould be made from a place called Muheas on the Tange Resignar) to Am h or its neighbourhood for oh less than 210,000 and would sufficiently serve he purposes of the institute. He suggests referring this to the Officer Administering the Government; With the exception of this point about the Railway feel more in the dark than ever. The Treasury make their manetion to the arrangements for this year dependent on Japaurances from the various centributportion which assurances will involve an indefinite period in the future . This is not unreasonable from a freasury point of view, but we come back a sin to the old points can we require the necessary opposed payments from Kenya, Ufanda and Zaminary.

There is a further rather obscure demand in the last paragraph of ar further particulars of the capital expenditure involved. We can send the feesawry a copy of the Report (in Gov./9981/22) containing the various estimates, but I am not certain that that he shot is required.

S

HITTHIN COL. LONDON S.W.

TREASURY CHAMBERS 26465 Nav. 1924 2 JUN 24

I have laid before the Lords Commissioners His Majesty's Treasury Sir G.Grindle's letter of the 15th ultime (9483/1924), and enclosures, relative to the future of the Scientific Institute at Imani, Tanganyika Territory, and Their Lordships direct me to request you to convey to the Secretary of State for the Colonies the following raply.

My Lords agree with the Secretary of State that the abandonment of the lastitute would be regrettable both for scientific and for political reasons. They are equally in agreement that the expenses of an institute which is to be conducted in the interests of the East African Dependencies generally cannot fairly be borne by Tanganyika alone, nor would it be defensible to impose on a Mandated Tarritory more than an equitable share of those expensos.

They

They have considered the "interis" scheme, for maintaining the Institute, which it is desired to adopt and which is setimated to involve capital expenditure amounting to \$5,000 and an annual outlay of \$10,000.

To this scheme They would be prepared to give Their sanction provided that They could be satisfied as to the prevision of funds not only for the current year but for the succeeding years when the scheme is in full working order. Moreover the adoption of the scheme would necessitate the purchase of the Big! Railway at an estimated cost of Zio,000, which is apparently to be been entirely by Tanganyika. This raises the initial cost of the whole scheme to Zio,000.

My bords here not been furnished with any recent information regarding the Sigi light railway, and They are not aware whether it is at present working and whether the rolling stock is in good order, or, if not, whether any sommitteened expenditure would be involved in bringing it into use. From the information at present before from

They gather that the railway will be required solely for the purposes of the Institute, and that consequently is Aericit an working may be anticipated, leading to a further requiremt charge on Tanganyika funds. I may to anquire whether any estimate has been framed of this charge and whether may traffic may be expected from the saw mill to which reference is made in Memorandum B on the Betimates for 1923-24, or otherwise, Further the valuation of £10,000 was stated in that Memorandum to be unreliable, and Their Lordships desire further information on this point.

be desirable for the emership of the Institute and of the Railway to be vested in the Government of the Tangenyika Territory, wherein they are situated, and that there may be some case therefore for the capital expenditure to be borne by the ferritory's funds; but as regards annual charges They do not consider that the temporary inability to contribute of the other Protectorates etc. which, it is assumed, are bound to benefit from the Institute, affords any justification for impecing any additional proportion on

Tanganyika,

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Tanganyika,

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therefore that, as regards future years, assurances may
to obtained by the Secretary of State that contributions
to the upkeep of the institute and to the loss, if any, en
working the railway all be forthcoming in approximately
the proportions recommended by the Bast African Conference
on this subject, visi-

Colonial Research Committee. 25%
Tanganyiks. 17%
Kenya. 19%
Uganda. 19%
Nyasaland. 7%
Zammibar. 7%

an which these proportions were assessed nor would it appear necessary to adhere to them strictly. In particular Their Lerdships would regard the percentage proposed for Syssal and as excessive having regard to its distance from the Institute and to its slender resources and They would view with favour a reduction to 5% in this case belanced by an increase of 10% for Kenya and Kenyaibar.

As regards the ourrent year, during which the total expenditure, whether on capital or recurrent services,

is estimated to amount to £8,000, My Lords consider it essential that an earnest of the future ecoperation of all the partners in the undertaking should be given. But in the circumstances stated in paragraph 3 of the letter under reply They would be content that the contribut one of Kenya and Myasaland should be limited to nominal sums of £250 and £100 respectively. The offer of £1,000 by the Colonial Research Committee and the proposed contributions of £1,000 each by Wranda and Zanzibar together with the centributions named about should enable the net amount to be provided by Tanganyika for maintenance during the current preliminary year to be reduced from the provision in the Betimates to a sum more closely approximating to the proportion due by the Territory under the future arrangements.

My Lords will await further particulars of the capital expenditure involved at the Institute, and of the capital and running osts of the Sigi Railway and They must defer according Their samption to the proposed scheme as a Whole until the requisite assurances have been received from the various contributing parties.

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Colonial Research Committee. 28%
Tengenyiks. 17%
Kenya. 16%
Uganda. 10%
Wymaeland. 70%

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Tenganyika. 25%
Kenya. 17½%
Uganda. 10%
Hymceland. 7½%

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Colonial Research	Committee.	20%	
Tenganyika.		25%	
		174%	
Kenya.		15%	
Uganda.		10%	3
Myssal snd.			. 70
Zemibar.		7章集	

My Lords have not been furnished with the basis on which these proportions were assessed nor would be appear necessary to adhere to them strictly. In partfessar Their Lordships would regard the percentage proposed for Myssaland as excessive having regard to its distance from the Institute and to its slender resources and They would view with favour a reduction to 5% in this case balanced by an increase of 24% for Eenya and Empairs.

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Colonial Research Committee.	186%	
Tengenyiks.	25%	
Kenya.	174%	
	10%	
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