

Revenue (1897) Department.

PRESS SERIES.

G.O., No. 1040

Dated 11th December

[Despatch Abstract.]

Stating that the Govt. is unable to render the plauds any substantial help in obtaining the services of a competent Entomologist or an Agricultural Chemist, but that an arrangement will be made with the Govt. of Queensland for the shipment of a consignment of Roddy birds.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

G.O.	No.	Department	Date	G.O.	No.	Department	Date
C/O	3105/98.						
28	28	Rev	17-1-98				

0
18 4,000-19-7-97

CURRENT No. 7739

See

Draft O.M.
Order

From

The Honble. H.P. Hodgson
Craigmore Estate,
Nilgiris.

No

With reference
to the Hon. Mr Hodgson's
letter of — Sept 1897 re-
plying to G.O. no 63 & Rev.
of 2)th July 1897 (regarding
-ary birds), the undersigned
has the honour to state
that the copy of "the Plaintiff's
Opinion" ^{the despatch of which is} therein advised has
not yet been received in this
Office and to request that
it may be transmitted for
the information of Govt at
an early date.

Dated (19) Sept. 1897

Received

Registered

Enclosures

Spare copies.

SUBJECT

SUBJECT
Mr. Lambert in two days after the
letter. Reporting with reference
to G. O. 6341/97 Div., on the
27.7.97
result of Mr. Newport's
attempt to introduce
Lady Birds.

The Draft was submitted
on the assurance of the Reps
Clerk who sees to these things
the paper had not been used.
it was marked for the Secy to
Mr. Smith that ascertain if the Secy
having seen it ~~and~~

2

The Honorable S. P. Hodgson

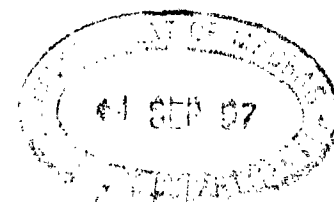
1897

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.



1P
Craigmore Estate
Kullahambay
Nilgiris
September 1897.

To
The Honorable G. Stokes
Revenue Secretary to Government of Madras.

Sir

In accordance with the request contained in para 3 of G. O. N° 634, Revenue, dated the 27th July 1897, asking me to ascertain what was the result of Mr. Knopps' attempt to introduce Lady Birds, I have the honor to enclose a letter from that gentleman, which shows that he failed in getting any of the insects sent to him either from Honolulu or Australia, and he is of opinion, in which I quite concur, that without the assistance of Government the attempts of private individuals in this direction are not likely to succeed.

The subject of the scale pests, and the introductions of their natural enemies, was discussed at the annual meeting of the U.P.A.S.I. held at Bangalore last month, and I beg to enclose for information a copy of "Planting opinion" in which the proceedings on this subject appear in Pages 503 to 506.

It will be noticed that the ravages of green-asked Government to assist us in introducing

with me in 700
Lady Birds into the
Madras Presy.

bug, and the increase and rapid spreading, of the insect, threaten the Lower Palmy Coffee Estates with extinction, and from my own experience in this district with Black Bug, I can speak to the danger being in no way exaggerated.

That whatever is to be done, must be done quickly, is therefore of Paramount importance, and it is with this fact before me, that I would beg Government to reconsider the decision contained in Para 1 of the G.O. No 634, in which it is considered "unsafe to apply for or introduce Lady Birds from Australia except under the professional advice and supervision of an expert."

I can quite understand that Government would agree with the opinion of Mr. Marsden that the work of searching for and introducing to the natural enemies of insect pests, should be entrusted only to a skilled entomologist, lest "injury instead of benefit might arise". The principle is a thoroughly sound one as applied to the introduction of unknown insects, and in searching for new varieties.

I would submit however for consideration, that the two species of Lady Birds which I asked Government to assist us in introducing

22/9

were
Lady Birds into
Madras Pres

at once, are neither new or unknown, but have been working beneficially for some time past in Honolulu, their history and habits being well known.

The objection on the score of a possible danger would not apply to the introduction of these species, and I would earnestly urge that Government give us their assistance in procuring them from Australia without delay.

The urgency of the case is so strongly felt that subscriptions are already being raised with a view to sending over to Australia at once, and anticipating the assistance and support of Government in the matter.

Should Government on reconsideration, after perusal of the papers sent, and the reasons herein set forth, decide on the early introduction of the two varieties named in my letter dated the 23rd June 1897, Mr. Newport would be willing to go to Australia, to collect and bring them over, supposing such a course be approved, and the Planters will defray half the cost of the experiment.

I have the honor to be

Enclosures.

Sir

1. Letter from Mr. Newport
 2. Copy of Planting opinion
- (Sent by book post)

Your most obedient servant
W. H. Woodson

subvent themselves in the survey of the same.

With me
 Lady Birds into the
 Madras Press

Revenue (1897) Department.

The Tamil Farmers Association,
DINDIGUL.

PILLAVALY ESTATE.
ANTHUR P.O.,
MADURA DISTRICT.

22 AUG 1897

My dear Hodgson
I am sending today under
separate cover two of the Reports of the Ministry of the Interior,
Hawaii, that you kindly let me look through. I
hope the others were duly returned to you at
Bangalore.

In reply to your query re the
consignments of Lady-birds I was ex-
pecting from Hawaii last year - Mr. Stamer
when he was in Hawaii & had seen the good
these birds had done, asked to have some sent
out to him through Mr. Marsden. The first reason
given for the delay in sending them was that
they were out of season & difficult to find, & latterly
when they were not sent at all. I was given
to understand that the persons who had been
asked to send them decided that we must get
them from Australia & not Honolulu.

As a matter of fact it appears that no one was
sufficiently interested in the matter to take any
trouble about it.

I remain doubtful if any private individual
would be able to do much, unless personally
interested themselves in the subject & assist.

With them
Lady Birds into the
Madras Presy.

Even the nominal assistance of a letter
 or two of introduction from the Maoroo Soc.
 to the authorities in Australia & Hawaii
 would, I feel sure, insure their assistance
 if the private individual, the WPA. took spending
 goes out.

I am hoping that something will
 be done soon for we are really in a bad
 way. Our planters are now discussing
 the subscription list. The Hilpin Plantation Co.
 have promised \$1,000. & I hope to have a fair
 list to send you soon. It is generally
 understood that if we can raise subscriptions
 the last bird will be at once imported &
 that there will be no further avoidable delay.

Yours sincerely
Howard Newport.

disposal of the Govt. of
 India who can be
 spared to conduct inves-
 -gations in connection
 with the importation of
 Lark Birds into the
 Madras Pres.

27/9

Revenue (1897) Department.

CURRENT No. 8342

From

The Govt. of India.
R & W. Dept.

Order

No. 1428
39-3

Dated 18th Sept. 1897.

Received

Registered

Enclosures

Spare copies.

SUBJECT.

Stating that there is
at present no Imperial
Entomologist at the
disposal of the Govt. of
India who can be
spared to conduct inves-
tigations in connection
with the importation of
Ledy Birds into the
Madras Pres.

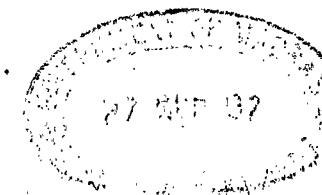
Recd
27.9.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.



No. 1428
39-3.

68

FROM

DENZIL IBBETSON, Esq., C.S.I.,

Secretary to the Government of India,

TO

The Secretary to the Government of Madras,
Revenue Department.

Simla, the 18th September 1897.

Department of Revenue
and Agriculture.

SIR,

(Agriculture.)

In reply to your letter No.635 dated the 27th July last, in which you enquire whether the services of the Imperial Entomologist can be spared to conduct investigations in connection with the importation into the Madras Presidency of Lady birds and other natural enemies of the insect pests which now infest Indian plantations, I am directed to state that there is at present no Imperial Entomologist at the disposal of the Government of India and that the question of entertaining one is awaiting the proposals of the Government of Madras on the subject referred to in this Department's letter No.2148/1-11 dated the 5th August 1897 regarding the appointment of a botanist for that Presidency.

2. I am, however, to observe, that should such a specialist be appointed, the field for inquiry will be so vast that his first duty will be to enquire into the diseases of the main staples of India that are grown by those who are too poor or too ignorant to help themselves in the matter. Thus, while any assistance that can be given without detriment to the wider work will be afforded, the Government of India are of opinion that the cost of investigations connected

with

with such products as tea, coffee, indigo, and the like, which are cultivated by persons possessed of both capital and intelligence, must in the main be borne by those interested in them.

3. Indeed under no circumstances would it be possible to depute such a specialist upon a roving commission outside India for an indefinite period. If therefore the scheme under consideration is to be carried out, an independent expert must be engaged for the purpose.

4. I am to add that a copy of the present correspondence will be forwarded to the Trustees of the Indian Museum who will be asked to place any information which they may possess on the subject at the disposal of the Government of Madras and to inform them whether they are in any way able to assist in the matter.

I have the honour to be,

Sir,

Your most obedient servant,

W. G. A. B. S. S.

Secretary.

[Pub.
29.
2,000] 3-97.

Revenue

Public (1897) Department.

8451
CURRENT No. 3599



From The Secretary United Planters' Assoc.

Recd 2017 27 30 Sept 1897

No.

*Transferred to the
Revenue Dept*

Dated 24

Received 26 30 97

Registered 27 10 97

Enclosures one book

Spare copies

*Adm. Secy.
Ag Under Secretary*

SUBJECT.

Requesting to be informed what assistance the association may expect from the Govt of Madras towards the cost of engaging an agricultural chemist

*To
The Rev. Dept. with Book*

BACK PAPERS.

G.O.	No.	Department.	Date
	//		

FURTHER PAPERS.

G.O.	No.	Department.	Date.

$\frac{D}{4} 1,000$

Planters Association
Southern India.

3599
Madras, 24th September, 1897.

The Secretary to Government,

Public Department,

Ootacamund.

Sir,

I have the honour to inform you that at the last Annual Meeting of this Association a very strong feeling was expressed as to the necessity of engaging an Agricultural Chemist, for the purpose of directing cultivation, with a view to combating the ravages of the pests that affect, in some instances very seriously, the growth of Tea and Coffee. Particular reference was made to the leaf disease to which the latter product is subject, and to which the extinction of the coffee industry in Ceylon was due.

It was resolved that inquiries be made as to the amount of financial assistance for this specific purpose that might be expected from the various District Planting Associations in Mysore, Travancore, Cochin, Coorg and the Madras Presidency. I was also directed to address the respective Governments concerned with a view to ascertaining to what extent they would contribute towards the cost of this extremely desirable scheme.

For details of this I venture to refer you to the Book of Proceedings 1897, a copy of which is forwarded under separate cover. I doubt not that the interesting speeches therein reported - and in particular the remarks of Mr. Cameron, the Curator of the Government Gardens, Lal Bagh, Mysore, - will prove to you that the Employment of a scientific expert is necessary for the protection of at least one very important industry.

In the full confidence that the liberality of your Government will not be appealed to in vain, I venture to request you to inform at your early convenience what assistance the Association may expect the Government of Madras.

I have the honour to be Sir,

Your most obedient Servant,

Secretary

Lady Birds

REVENUE DEPARTMENT.

C. No. 7739 and 8322 of 97
also Cus. 8451 of 97

From the Hon. Mr. H.P. Hodgson &
the Govt of India
& Secy. U.P. L.A. S.I.

Dated - 18th Sept: 1897.

The Hon. Mr. Froese C.S.E.

The Hon. Sir Henry Bliss K.C.S.E. FOR ORDERS.

H.E. the Governor.

In reply to para

A 3 of G.O. No 634 Rev: of 27th July
1897, enquiring whether, with re-
ference to a statement made by
Mr H.O. Newport at a meeting of
the Lower Palni Planters' Associ-
ation in Feb: 1896, he had taken
any action in the matter of ob-
taining and carrying on experi-
ments with lady birds from Aus-
tralia, the Hon Mr H.P. Hodgson
forwards with his letter under Cus.
B 7739 of 97 a communication re-
ceived by him from Mr Newport
and also submits certain obser-
vations on some of the conclu-
sions arrived at by foot in the
above G.O.

2. Mr. Newport's attempt
at directly importing a consignment
of lady birds from Australia or
Hawaii

11/8/97

2
Hawaii are reported to have failed for the reason that "no one was sufficiently interested in the matter to take any trouble about it". He doubts whether action taken by private individuals in the above direction could ever be attended with much success unless the Govt intervenes and assists them at least with some letters of introduction. He, however, adds that subscriptions are now being collected and that when a sufficient amount is obtained, the insects required will be imported without further avoidable delay.

3. The Hon: Mr Hodgson agrees with Mr Newport in considering that without the help of Govt the efforts of the planters will not avail much. He also forwards a copy of the issue of the Planters' Opinion of August 14, 1897 embodying the Proceedings of a Conference held in the month by the members of the United Planters' Association of Southern India and invites attention to pages 503 to 506 thereof

where

FOR ORDERS.

3
where the question of the ravages of green bugs on the Palm hills and incidentally of black bugs on the milquins and of the necessity of taking measures for their destruction are discussed. Mr. Hodgson states that, as pointed out therein, unless very early steps are taken to counteract the evil referred to, the Coffee plantations on the hills would become extinct. He admits that, as stated by Govt, there is real danger in importing the wrong insect but contends that, as the experiments conducted in Hawaii have proved that the two varieties of lady birds mentioned in his letter under G.O. No 634 Res. of 27th July 1897 are capable of destroying the bugs now infesting the South Indian plantations, there can be no harm in obtaining a consignment of them for experimental purposes. He accordingly requests that the decision arrived at by Govt to postpone action pending the arrival of a competent Entomologist may be reconsidered and assistance

rendered

4
rendered to the planters in pro-
curing the beneficial insects in
question without delay. He adds
that subscriptions from the
planters are rapidly being col-
lected and that should the Govt
approve of it, Mr Newport him-
self would go to Australia for the
purpose of bringing the required
insects, the planters defraying
half the cost of the experiments as
originally arranged.

4. The Govt of India
reply to the communication ad-
dressed to it on the subject of the
Entomologist has also been received
and will be found marked C. No.
8342 of 97. The points on which
information was asked for by
this Govt. were whether a ser-
vice of the Imperial Entomologist
could be spared at any near date
to conduct investigations in this
Part on the lines carried out in
Hawaii and if not whether it
would be possible to appoint an
officer for the purpose. The Supreme
Govt now states

(1) that there is at present

no

The reasonings
is not clearly followed. The
papers re: appointment of
a Botanist are now in Circ."

The Govt I must allude to the
proposals that we had got a
Cryptogamist, instead of a
Botanist, but this proposal
has been relinquished.

A Cryptogamist is ^{not} necessarily
an entomologist, is he?

The Sciences that the two have
to study are it is submitted
different

no Imperial Entomologist and the
question of entertaining one is
awaiting the proposals of this Govt
regarding the appointment of a
Govt Botanist for Madras,

(2) that when an Entomologist
is appointed his first duty will be
to attend to the requirements of
the poorer agricultural population
of India and he can only be
expected to help planters ^{only}
without detriment to ^{that} his
duty

(3) that he cannot in any case
be sent out of India on a roving
commission for an indefinite
period

(4) that the planters being rich
and intelligent, all costs connec-
ted with investigations intended for
their benefit "must in the main
be borne by them"

(5) that if the experiments refer-
red to by this Govt are to be carried
out "an independent expert must
be engaged for the purpose."

The Govt of India adds that
Trustees of the Indian Museum
have been asked to furnish the

Govt

Govt with any information which they may possess on the subject and also to intimate to it whether they are in any way able to assist in the matter.

5. The Govt of India has thus virtually thrown the planters back on their own resources and prohibited this Govt from rendering them any substantial help in the matter of investigations connected with "plantation" products. This prohibition apparently does not extend to the keeping of the promise already made by this Govt to bear half the cost of obtaining a consignment of lady birds from Australia. That promise was however made on the ^{understanding} ~~distinctly~~ that an expert should first advise that the insects should be obtained and from the statement now made by the Govt of India that if "the scheme under consideration is to be carried out, an independent expert must be engaged for the purpose" it seems doubtful whether the Supreme Govt

No, but it does to the project of the Member for getting out an Agricultural Chemist.

I don't know about this understanding. We told the Member that if a consignment of lady birds was advised by an expert sent by and for half the cost, & we told the Govt that we would act under the advice of a competent entomologist. The only question is whether Mr. Worsfold is a competent entomologist. He says he is not an entomologist but he may be competent as far as regards the *Cryptobalanus* *montezumae*.

& cryptobalanus
It is clear, I think, that until we

Get proper scientific advice, we are not bound to give any assistance at all. Now do I think it would be wise to do so. I see from p. 505 of Planting Opinion that a Mr. E.E. from Ceylon is spoken of as a competent person - I think I might ask the Ceylon Govt what is known of him & if he is reported well of take his advice or get Mr. Hodgson to obtain it. In the meantime, we might call for estimates of the probable cost of getting lady birds from Australia. If his report is to go, it will probably cost a considerable sum & where the money is to come from, I don't know - However, the first thing to do is to find out how much will be wanted.

I have it with me in my notes to get proper scientific advice, and moreover, the coffee is being killed. A little more is of the same kind, and I think it is not a good idea.

I think there is. They are scale insects & the Prof has told Mr. Worsden says if there are any of the Dactylopiids present the *Cryptobalanus* *montezumae* will surely feed upon them.

Govt does not contemplate that the promise should be kept only in case the planters engage the services of such an expert.

6. If it is thought that in making the statement the Govt of India cannot be considered to have had any such intention the next question for orders is whether in view of the reasons now adduced by the Hon. Mr. Hodgson G.O. No 634 Rev. of 27th July 1897 should be reconsidered. ^{That has for any be awarded} Mr. Hodgson's main reason for a reconsideration of the conclusion arrived at in that G.O. is, as already pointed out above, that there can be no harm in importing insects which have already been proved to be beneficial in Hawaii but there does not, it is submitted, appear to be anything to show that his statement regarding the identity of the Hawaiian and Indian bugs are not based on guess work. It is however submitted in this connexion that the planters can if

8 they want import any insect they like without the permission of Govt. and that the only satisfaction that the Govt might derive by withholding assistance from them until the arrival of an expert might therefore be that it had ~~not~~ in hand in the matter of importing dangerous insects into India. The question therefore whether the planters (who are the party most interested in the matter) may be trusted to import the right insects and immediate help rendered to them is submitted for orders. The planters evidently want that Mr Newport should go to Australia to bring the insects. If their proposal is accepted, the Govt will probably have to pay, in addition ^{half} to the charges incurred in the collection and transmission of the insects, a moiety of Mr Newport's travelling expenses.

7. In this connexion, a communication ^F since received from Mr. Keay to

9 to the United Planters' Association, bringing to notice the "very strong feeling" expressed "at the ^{last} conference" as to the "necessity of engaging an Agricultural Chemist for the purpose of directing cultivation with a view to combating the ravages of the pests ^{affect} ~~that~~ in some instances very seriously "the growth of tea and coffee" and enquiring to what extent the Govt would be prepared to contribute towards the cost of the scheme, is also submitted for orders. The pests here referred to ~~are~~ are vegetable pests ~~as~~ resulting in leaf disease &c and the Govt has already expressed its opinion that any investigation into the origin and nature of such pests would serve no useful purpose. Some of the planters now are of opinion that the disease can be counteracted by making the plants "vigorous" and at the last conference have in the face of very strong opposition (vide pages 63 to 69 & 84 to 90 of the

Prop

8 103
the Prop) have carried ~~out~~ a pro-
position to obtain the services
of an agricultural chemist and
to ascertain what the Madras
Govt and the Native Rulers in
Southern India were prepared
to give ^{towards} the same purpose. The
opposition headed by Mr Newport
~~were~~ of opinion that experi-
ments in selected localities should
in the first instance be conducted
by the planters themselves under
the supervision of the Supt of
the Mysore Govt Gardens who
had volunteered to assist them in
that behalf and that the employ-
ment of an Agricultural Chemist
~~was~~ should be deferred until
these experiments were carried
on for some time and some
definite data to proceed upon
obtained. Mr Newport's pro-
position was however lost. The
cost of engaging the services of a
chemist has been roughly esti-
mated at not less than £5000.
but the exact amount the Secy
is to ascertain and communicate
later on to the District Association ^{from} ~~the~~
which

In the "Resolutions" it is
contemplated that there shall
be only one Agricultural
Chemist for all India, &
it is clear from Mr Johnston's
letter that when he comes to
the Presidency, he will not
help the Planters unless he
can do so incidentally while
helping ~~my~~ ^{the} Govt.

17
which also contributions are ex-
pected. The Association itself
has undertaken to pay if ne-
cessary a donation of Rs 2000
per annum for the purpose from
its reserve fund.

B. The question
now for consideration is whether,
in view of the opinion expressed
by the Govt of India that the
cost of all investigations con-
nected with plantations pro-
ducts must in the main be
borne by the planters themselves
and of the fact that the Supreme
Govt has not stated in what cases
and to what extent if at all
local Govts may assist them, any
definite promise can be given
to the United Planters' Association
there is an Agricultural Chemist
with an Asst now attached to
the Govt of India but their ser-
vices will obviously be lent to
Provincial Govts only for general
agricultural purposes. Orders
are in these circumstances
solicited as to whether the alle-
gion of the planters mo

Brow
2. IX. 97

It seems clear that the Govt
of India will not depute any
Officers for the purpose
of the ^{Survey} ^{and} Experiment the
planter wish to institute
and that it will not
sanction the employment
of Govt of a Special Officer
for this purpose.

This must be done with
reference to the Agricultural
Chemists.

W²³

D 1,000-8-4-97.

REVENUE DEPARTMENT.

No

From

Dated

189

FOR ORDERS.

connection with the proposal
to employ an agricultural
chemist.

2/10/97

on
The function of ^{belonging to} ~~unfolding~~ an Agricultural
Chemist is an entirely new one
and it sh^d. I think be kept distinct
from that of the and which Eng^l is
pledged to give in the importance of
Lucky Davis.

The Comy and Inyore Planters are a former occasion got out a chemist who was clever enough as I remember but who did ^{not} ~~not~~ find. In regard to the present purpose it is plain many of the object planters think it premature and the scheme is not developed so that it can be seen whether it really has any claim on the land or not. I think End 2

then further something more about it.

In regard to the introduction of Lady-birds all that can be done is I submit to contribute half the cost of the experiment and to send Newport to get what he wants in Australia. The insect wanted is probably well known to him and of course what has been done in Hawaii is also known. The note suggests that the identity of the Hawaiian bug with the Indian one to be found but the planter think and I submit with some reason that there is no doubt about it. The success which has been attained in Hawaii in exterminating the scale bug places Newports insect on a very different footing to that of an official entomologist searching at large for a remedy for leg disease.

4-10-97

later to be

FOR ORDERS.

I don't think the inquiry need be made. It would indicate that we can help. As I have said above I think we cannot.

W.D. J.G.

Yes, I think Mr Newport can be trusted.

J.G.
7/10/97

See above, page 7 - (the)

W.D.

7/10/97

I told Mr. Newport and Mr. General, Planters of the Lower Parkways, at Madras, on this matter of the introduction of the ladybird. They were most anxious about it; they say that the ruin of their coffee is impending. Mr. Newport is not a professional entomologist, but he knows something of the nature of this ladybird. He told me that it is a carrying over creature, and therefore incapable of injuring vegetable growth. He informed me that the native insect is known in Queensland, which is its habitat.

I think we should help the planters, if we can; and it seems to me that the simplest way of doing so, would be to write to the Queensland Govt, telling them what the planters want,

asking them if they would do the great work of sending over a carrying over of the ladybirds to Queensland, giving an estimate of the cost on the person to Mr. Newport might go to Australia to bring the insects over. The first should have half the cost of the undertaking, which should not be more than a few hundred pounds.

Mr. Newport and Mr. General, Planters of the Lower Parkways, at Madras, on this matter of the introduction of the ladybird. They were most anxious about it; they say that the ruin of their coffee is impending. Mr. Newport is not a professional entomologist, but he knows something of the nature of this ladybird. He told me that it is a carrying over creature, and therefore incapable of injuring vegetable growth. He informed me that the native insect is known in Queensland, which is its habitat.

5-11-97

Latg bindr

REVENUE DEPARTMENT.

No.

From

Dated

189 .

FOR ORDERS.

*Issue the D.O. & letter
the
11-11-11*

With reference to the Com
Mr Giori note in the
Draft D.O. & letter
below. I wd submit
the folly modification
of the latter.

(1) The Com member says
it is not correct to
say that the Govt
accepts Mr Hodgkins
proposals for Govt
does not do so whole
but only in part. I have
inserted the words
"so far as they relate
to procuring" in para
2 of the Draft order.
(2) The Com Mr Giori
considers we should
ask for a consigna-
ment of the Crystal
alone and not a

FOR ORDERS.

82
67

Approved
25

4, the ~~then~~ we grow
 but not alone. we helped
 to to to to to but
 later to ca than the insects



9/12/93

ALL
5/12/97

HR.

Please see amended
draft for approval.

6. 17

Read C. Nos. 7732, 9342 and
8451 of 1897.

Printed
O R D E R No. 1040 of 11th Dec. 1897.

The Hon'ble Mr. Grose, C.I.E.
The Hon'ble Sir Henry Bliss,
K.C.I.E.

Notes.

The Hon'ble Members and
His Excellency do not
agree in some of the
minor details. The draft
has been prepared in ac-
cordance with His Excel-
lency's views and is sub-
mitted for such altera-
tions as the Hon'ble --
Members may desire to --
make therein.

*It is hardly correct to say
we accept Mr. Hodgson's proposal.
His proposal is to send two
newspapers to Australia to
get two lady birds, & whether
it is to get two Cryptocermes
Montrouzieri only, or that
& other species (he
places more on what species)
is uncertain. In his letter*

The second of the papers --
read above will be communicated to the
Hon'ble Mr. H.P. Hodgson and to the Se-
cretary to the United Planters' Asso-
ciation of Southern India, with the
remark that in the circumstances ^{therein} stated
His Excellency the Governor in Council
is unable to render the planters any
substantial help in obtaining the ser-
vices of a competent entomologist or an
agricultural chemist.

2. For the reasons given by --
Mr. Hodgson, however, His Excellency in
Council is pleased to accept his propo-
sal ^{so far as they relate to procuring} ~~at once~~ a consignment of
^{variety of lady bird} ~~the~~ ~~specimens of the lady birds~~ re-
ferred to by him, it being understood
that, as originally arranged, one half
of the charges involved should be borne
by the planters and the other half by
Government. His Excellency in Council

When the Ceylon Government

at the same time of opinion that it will not be necessary to send any officer or gentleman to Australia for the purpose but that ~~as there is no~~ communication between that country and Madras at short intervals, it will be sufficient if arrangements are made to have the insects shipped to Colombo to which place Mr. Newport can easily go for the purpose of bringing them -- to this country. The Government of Queensland will be addressed accordingly and it will also be requested to give early intimation of the shipment of the insects so that Mr. Newport may be ready to start for Colombo in time to receive them.

W.H.
19/11/11

No 10418/11-12-97 80/1

The Colonial Secretary

to the Govt. of Queensland.

The Coffee planters of Southern

his last year brought it to the notice

of the 23rd June, he mentions only the *Cryptolaemus*, but in his letter of September (Comm. 7739) he says, he spoke of two species in it, this letter follows our Draft to Queensland assumes that he was with the *Rhizobius ventralis* as the second species. All I can find It is presumed that this is the reason for having the consignment sent to Colombo rather than to Madras.

W.H.
19/11/11
out for the purpose was put up is that about *Rhizobius ventralis* is, that Mr. Newport tried to get it - but why and on what information I don't know. So far as I can see we are only warranted in trying to get the *Cryptolaemus*. We have not any something about the size of the consignment! No

TO the Hon'ble Mr. R.P. Hodgson
Secy. to the United Planters
Association of Southern India.
Copy. to the Ed. of Rev., Land Rev.
Rev. Settlement &c.
Accountant-General.

is right to ask the Govt. of Queensland to send the insects to Colombo because they can only be carried in the ice chamber of a freezing vessel, but I don't see the use of sending Mr. Newport there. All that is wanted is to have that two Australian men and

met at Colombo a passenger steamer coming to Madras, & that has a trustworthy employer and see the pack of insects - packed with cool chamber - exposed itiously, as Mr. Meadows has told us that, "if transhipment from one steamship to another is required on the journey, a trustworthy agent should be at hand to make the transhipment without delay, for if the lady birds are once thrown out it is fatal to make them cold again". Arrangements must be made for the consignment to be sent by an Australian steamer, we will meet a Madras steamer at Colombo. Moreover, I think it will be best to ask for two or three consignments to be sent in succession. Mr. Meadows writes strongly that we should not only use one consignment, & my experience assures me that he is right. About getting a trustworthy agent at Colombo (we will save the expense of Mr. Newport going & coming, we might ask the Govt. of Ceylon.

I agree, except that I should let Mr. Newport go to Colombo. If we don't, we don't know when the Ceylon steamer will be on

of His Excellency the Governor of Madras in Council that considerable damage was being caused to their plantations by the ravages of certain scale pests and that in the Hawaiian Islands these pests had been almost ~~entirely~~ ^{destroyed} by the introduction and propagation of their natural enemy - the variegated lady-bird known as "*Cryptolaemus*" ~~Montrozieri~~ ^{*Rhizobius*} the Government of Madras in November 1893 wrote to the Commissioner of Agriculture and Forestry at Honolulu for detailed information regarding the experiments conducted on the island and also as to the source from which the beneficial insect in question had been obtained. The reply received from the Commissioner made it abundantly clear that the most excellent results had been obtained in Hawaii by the introduction of the lady-bird. It would also appear that the insect ^{is} common in the Colony of Queensland ^{when it is} collected in ~~large numbers~~ for shipment to Hawaii. His

at t
will
cellency the Governor in Council -
is desirous of conducting experiments
in the Madras Presidency on the lines
of those in Hawaii and I am directed
to ask whether
to state that he will be much obliged
if the Government of Queensland will
be so good as to have
the great service of collecting
to
sending to this country a consign-
ment of the ⁴ varieties of lady-bird
Colletes and sent to this country
referred to above. Should the Govern-
ment of Queensland kindly comply with
this request, I am to ask that the
consignment may be shipped to Colombo
to the address of Mr. H. O. Newport, and
that ^{telegraphic} intimation of the shipment
may be given to this Government so that
Mr. Newport may be instructed to go to
Colombo in time to receive the insects.
An extract from the letter received -
from the Commissioner of Agriculture
and Forestry, Hawaii detailing the me-
thod in which the insects should be -
packed is enclosed for information.
In conclusion I am directed to -
state His Excellency the Governor in
Council will gladly pay any charges

the job of receiving &
transshipping & it is pretty certain
that if the experiment fails the
planters will say that it did
so because of my previous invest-
ment in the new port.
I presume it may be
taken that Mr. Hodgson will be
responsible for the planters' half share
of the expenses - I think the Govt.
of Queensland should be asked to send
us an estimate of cost as soon as it
can.
Subject to the above I approve
the order & letter
H.S.
2/12/97

better say telegraphic
H.S.

which the collection and shipment
the insects may entail, and to report
that an estimate of such charges
may be framed & communicated to the
Govt. at an
earliest con-
venience
H.S.
12/11/97

Extract from the letter from the
Commissioner of Agriculture and Forest
Honolulu dated 3rd March 1897.

X X X X

Here enter the penultimate para pri-
on page 2 of G.O. No. 351 Revenue dat-
13th May 1897 commencing with the
"The method of packing &c." and end-
with the words "six weeks".

H.S.
12/11/97

Government {1897} of Madras.
REVENUE.

Recd.

Regd.

} 1897

Enclosures

Spare copies

G.O., No. 1040, 11th December 1897.

DECEMBER.

Lady Birds.

Stating that the Government is unable to render the planters any substantial help in obtaining the services of a competent Entomologist or an Agricultural Chemist, but that arrangements will be made with the Government of Queensland for the shipment of a consignment of —.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following letter from the Hon'ble Mr. H. P. HODGSON, Craigmere Estate, Nilgiris, to the Secretary to Government, Revenue Department, dated Kullakumbay, No. —, September 1897:—

In accordance with the request contained in paragraph 3 of G.O., No. 634, Revenue, dated the 27th July 1897, asking me to ascertain what was the result of Mr. Newport's attempt to introduce lady birds, I have the honour to enclose a letter from that gentleman which shows that he failed in getting any of the insects sent to him either from Honolulu or Australia, and he is of opinion, in which I quite concur, that, without the assistance of Government, the attempts of private individuals in this direction are not likely to succeed.

The subject of the scale pests, and the introductions of their natural enemies, was discussed at the annual meeting of the United Planters' Association of Southern India, held at Bangalore last month, and I beg to enclose for information a copy of "Planting Opinion" in which the proceedings on this subject appear in pages 503 to 506.

It will be noticed that the ravages of green bug, and the increase and rapid spreading of the insect, threaten the Lower Pulney coffee estates with extinction, and from my own experience in this district with black bug I can speak to the danger being in no way exaggerated.

That whatever is to be done must be done quickly is therefore of paramount importance, and it is with this fact before me that I would beg Government to reconsider the decision contained in paragraph 1 of the G.O., No. 634, in which it is considered "unsafe to apply for or introduce lady birds from Australia except under the professional advice and supervision of an expert."

I can quite understand that Government would agree with the opinion of Mr. Marsden "that the work of searching for and introducing the natural enemies of insect pests should be entrusted only to a skilled entomologist," lest "injury instead of benefit might arise." The principle is a thoroughly sound one as applied to the introduction of unknown insects and in searching for new varieties.

I would submit, however, for consideration that the two species of lady birds which I asked Government to assist us in introducing at once, are neither new or history and habits being well known.

The objection on the score of a possible danger would not apply to the introduction of these species, and I would earnestly urge that Government give us their assistance in procuring them from Australia without delay.

The urgency of the case is so strongly felt that subscriptions are already being raised with a view to sending over to Australia at once, and anticipating the assistance and support of Government in the matter.

Should Government, on reconsideration after perusal of the papers sent and the reasons herein set forth, decide on the early introduction of the two varieties named in my letter dated the 23rd June 1897, Mr. Newport would be willing to go to Australia to collect and bring them over, supposing such a course be approved and the planters will defray half the cost of the experiment.

ENCLOSURE.

PILLALAY ESTATE,
AHTOOR P.O., MADURA DISTRICT,
22nd August 1897.

MY DEAR HODGSON,

I am sending to-day, under separate cover, two of the reports of the Minister of the Interior, Hawaii, that you kindly let me look through. I hope the others were duly returned to you at Bangalore.

In reply to your query *re* the consignments of lady birds I said I was expecting from Hawaii last year, Mr. Stanes, who he was in Hawaii and had seen the good these insects had done, asked to have some sent out to him through Mr. Marsden. The first reason given for the delay in sending them was that they were out of season and difficult to find, and latterly when they were not sent at all I was given to understand that the persons who had been asked to send them decided that we must get them from Australia and not Honolulu.

As a matter of fact it appears that no one was sufficiently interested in the matter to take any trouble about it.

I seriously doubt if any private individual would be able to do much unless Government interest themselves in the subject and assist. Even the nominal assistance of a letter or two of introduction from the Madras Government to the authorities in Australia and Hawaii would, I feel sure, ensure their assistance if the private individual the United Planters' Association talk of sending goes out.

I am hoping that something will be done soon, for we are really in a bad way. Our planters are now discussing the subscription list. The Nilgiri Plantation Company have promised Rs. 1,000, and I hope to have a fair list to send you soon. It is generally understood that if we can raise subscriptions the lady birds will be at once imported and that there will be no further avoidable delay.

Yours sincerely,
(Signed) HOWARD NEWPORT.

READ—the following letter from DENZIL IBBETSON, Esq., C.S.I., Secretary to the Government of India, Department of Revenue and Agriculture, to the Secretary to the Government of Madras, Revenue Department, dated Simla, the 18th September 1897, No. 1423/39-3:—

In reply to your letter, No. 635, dated the 27th July last, in which you enquire whether the services of the Imperial Entomologist can be spared to conduct investigations in connection with the importation into the Madras Presidency of lady birds and other natural enemies of the insect pests which now infest Indian plantations, I am directed to state that there is at present no Imperial Entomologist at the disposal of the Government of India, and that the question of entertaining one is awaiting the proposals of the Government of Madras on the subject referred to in this department's letter, No. 2148/1-11, dated the 5th August 1897, regarding the appointment of a Botanist for that Presidency.

2. I am, however, to observe that, should such a specialist be appointed, the field for inquiry will be so vast that his first duty will be to enquire into the diseases of the main staples of India that are grown by those who are too poor or too ignorant to help themselves in the matter. Thus, while any assistance that can be given without detriment to the wider work will be afforded, the Government of India are of opinion that the cost of investigations connected with such products as tea, coffee, indigo and the like, which are cultivated by persons possessed of both capital and intelligence, must, in the main, be borne by those interested in them.

3. Indeed, under no circumstances would it be possible to depute such a specialist upon a roving commission outside India for an indefinite period. If, therefore, the scheme under consideration is to be carried out, an independent expert must be engaged for the purpose.

4. I am to add that a copy of the present correspondence will be forwarded to the Trustees of the Indian Museum who will be asked to place any information which they may possess on the subject at the disposal of the Government of Madras, and to inform them whether they are in any way able to assist in the matter.

READ—the following letter from the Secretary, United Planters' Association of Southern India, to the Secretary to Government, Public Department, dated Madras, 24th September 1897:—

I have the honour to inform you that at the last annual meeting of this association a very strong feeling was expressed as to the necessity of engaging an agricultural chemist for the purpose of directing cultivation, with a view to combating the ravages of the pests that affect, in some instances very seriously, the growth of tea and coffee. Particular reference was made to the leaf disease to which the latter product is subject and to which the extinction of the coffee industry in Ceylon was due.

It was resolved that inquiry be made as to the amount of financial assistance for this specific purpose that might be expected from the various District Planting Associations in Mysore, Travancore, Cochin, Coorg and the Madras Presidency, and I was also directed to address the respective Governments concerned with a view to ascertaining to what extent they would contribute towards the cost of this extremely desirable scheme.

For details of this I venture to refer you to the book of Proceedings, 1897, a copy of which is forwarded under separate cover. I doubt not that the interesting speeches therein reported, and in particular the remarks of Mr. Cameron, the Curator of the Government Gardens, Lal Bagh, Mysore, will prove to you that the employment of a scientific expert is necessary for the protection of at least one very important industry.

In the full confidence that the liberality of your Government will not be appealed to in vain, I venture to request you to inform me at your early convenience what assistance the association may expect from the Government of Madras.

Endorsement No. 2017.

Transferred to the Revenue Department.

(Signed) A. R. KNAPP,
Ag. Under Secretary.

30th September 1897.
To the Revenue Department with book.

ORDER—No. 1040, Revenue, dated 11th December, 1897.

Miscellaneous.

The second of the papers read above will be communicated to the Hon'ble Mr. H. P. Hodgson and to the Secretary to the United Planters' Association of Southern India, with the remark that, in the circumstances therein stated, His Excellency the Governor in Council is unable to render the planters any substantial help in obtaining the services of a competent Entomologist or an Agricultural Chemist.

2. For the reasons given by Mr. Hodgson, however, His Excellency in Council is pleased to accept his proposals so far as they relate to procuring at once a consignment of the variety of lady bird referred to by him, it being understood that, as

originally arranged, one-half of the charges involved should be borne by the planters and the other half by Government. His Excellency in Council is at the same time of opinion that it will not be necessary to send any officer or gentleman to Australia for the purpose, but that it will be sufficient if arrangements are made to have the insects shipped to Colombo, to which place Mr. Newport can easily go for the purpose of bringing them to this country. The Government of Queensland will be addressed accordingly, and it will also be requested to give early intimation of the shipment of the insects so that Mr. Newport may be ready to start for Colombo in time to receive them.

(True Extract.)

(Signed) G. S. FORBES,
Ag. Secretary to Government.

To the Hon'ble Mr. H. P. Hodgson,
the Secretary to the United Planters'
Association of Southern India.

Copy to the Board of Revenue (Land Revenue).
the Board of Revenue (Revenue Settlement,
Land Records and Agriculture).
the Accountant-General.

Ed. S. J. Pereira.

First copy sent to Press.

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