

UNITED STATES DEPARTMENT OF AGRICULTURE,  
BUREAU OF ENTOMOLOGY,  
WASHINGTON, D. C.

November 23, 1907.

Dear Mr. Hopkins:

The six specimens of diseased brood which you sent August 2nd, were received, and I wish to make the following report on them:

All these samples showed the gross characters of American foul brood, and all of them have been examined bacteriologically. Bacillus larvae was found in the scales of each, confirming the original diagnosis. You will also be interested in knowing that in carrying out our experiments on this disease, we have used, among others, a pure culture of Bacillus larvae isolated from one of the samples which you sent. Cultures of Bacillus larvae from your samples have the same cultural characters as do those isolated from samples obtained here. Some of these cultures from your samples were fed to colonies as described in Circular No. 94, of this Bureau, with the result that the disease was produced as described in this publication. You are then able to say distinctly that American foul brood exists in New Zealand and that it is caused by Bacillus larvae.

We are very glad indeed to receive these samples from you and to make the report of the findings. In case you find any dead brood which in any way resembles what we call European foul brood, we shall be very glad to receive samples for examination. Samples of this disease are much more likely to mould

so as to make them unfit for examination, so that it is desirable that they be dried thoroughly before shipping.

The publication of the results of honey analysés has been somewhat delayed, but this bulletin will be issued in a short time. I shall see to it that a copy is sent to you.

I wish again to thank you for your kindness in sending these samples and, if we can be of any service to you, I shall be very glad to hear from you.

Very truly yours,

*E. W. Phillips*  
In Charge of Apiculture.

Mr. Isaac Hopkins,  
Government Bee Expert,  
Department of Agriculture,  
Epsom, Auckland, N.Z.

1115 Feb 6/1908

UNITED STATES DEPARTMENT OF AGRICULTURE,  
BUREAU OF ENTOMOLOGY,  
WASHINGTON, D. C.

December 17, 1907.

Dear Mr. Hopkins:

I am in receipt of your letter of October 17th, together with the additional samples of diseased brood which you sent in. Our No. 308, which was the comb in the little box and which you did not think was foul brood, has been examined. I am sorry to inform you that it is impossible for us to state definitely what this trouble is. If you find any more disease of similar nature, we should be very glad indeed to have you send it. The other samples (No. 309) are American foul brood.

I am very glad to get the notice concerning the poisonous honey which you sent me, and also the final copy of your Apiaries Act. I am glad to know that you succeeded in getting a bill passed which would make it necessary for all bee keepers to keep their bees in frame hives. I wish we could get something like that in this country. It certainly should result in great good to apiculture in New Zealand and I congratulate you on it.

I hope soon to send you some additional publications on apiculture.

Yours very truly,

E. A. Phillips  
In Charge of Apiculture.

Mr. I. Hopkins,  
Government Bee Expert,  
Department of Agriculture,  
Epsom, Auckland, N.Z.