

affect any cultivated tree, there was no harm done. I believe this insect must have been very heavily parasitised, for I was led to believe that a second brood or a second emergence of caterpillars would appear in the latter part of the summer. Very few appeared, however.

As I said previously we in the Kootenays are particularly blessed with but few insect pests, in fact no serious pests, at present, consequently I hope these rambling notes will be acceptable to the members of the Society for their records on the district which I have the honor to represent.

M. S. MIDDLETON,
Nelson, B. C.

MR. CHAIRMAN—Having received these very interesting and valuable reports from the districts, we will proceed with the next item on the programme. I will now call on the Secretary for his correspondence for the year and his Financial Statement.

MR. SECRETARY—Re Financial Assistance;
Care Inspector of Fruit Pests, Court House,
Vancouver, November 6th, 1912.
The Honorable
The Minister of Agriculture,
Victoria, B. C.

SIR,—

On behalf of the members of the British Columbia Entomological Society, of which I have the honour to represent as Secretary for the present year, I beg respectfully to address this letter to you for your consideration.

The Society now known as the British Columbia Entomological Society was formed in the year 1901, with a membership of about ten individuals. During the course of its active career as a Society following the year 1901, I am given to understand that a quarterly grant of \$25.00 or \$100.00 annually was allowed at the hands of the Provincial Department of Agriculture through the kindness of the Minister of Agriculture. During the past few years interest in the Society gradually waned owing to the fact that the Secretary, Mr. R. V. Harvey, left Vancouver, the Society's headquarters, and also owing to the severe illness and ultimate death of the President, Rev. G. W. Taylor, of the Biological Station at Departure Bay. I, on my part, have endeavored to reorganize the Society, with the result that a very successful meeting was held on December 9th, 1911, in Vancouver, with a paid-up membership of twenty-four individuals. I am glad to say that the membership during the past year has increased to nearly forty; consequently I feel safe in saying that the Society bids fair to remain as a Society in the Province and hopes to become, as years go on, an economic factor in the practical economic control of insect pests in the Province.

The objects and the endeavors of the Society are somewhat as follows:

To co-ordinate the work of those engaged in Entomological pursuits in the Province of British Columbia.

To assist and promote the study of Entomology in the Province of British Columbia.

To render assistance and information to fruit-growers and farmers on the subject of Entomology, relative to the subjection of insect pests of farm crops, of stock, and of all other and pertaining branches of agriculture.

With such an object before us, I respectfully request you to grant the sum of \$200 annually to be placed towards the maintenance of the Society. I should feel honored of you would reply to me as Secretary of the Society, so that I could place the proposition before the members at their annual meeting, which will be held in Victoria about the first week in January, 1913.

With such a grant in our hands we will guarantee—

1. To publish an annual report on the proceedings of the Society, copies of which report will be placed at the disposal of the Provincial Department of Agriculture for distribution to any that may require copies.

2. To hold an annual meeting at some point favorable to the members.

3. To forward an account of the expenditures to the Honorable the Minister of Agriculture annually, and to publish the same in the printed report of the proceedings of the Society.

I have the honor to be,

Your obedient servant,

R. C. TREHERNE,

Secretary B. C. Entomological Society.

Treasury Department,

Victoria, 11th November, 1912.

R. C. TREHERNE, ESQ.,

Secretary B. C. Entomological Society,
Vancouver, B. C.:

DEAR SIR,—

I am in receipt of your communication of the 6th inst., re the above Society, and in reply beg to inform you that I will have your request in mind when the Estimates are brought down, to see what can be done.

Wishing you every success with your organization in the interests of fruit-growing, believe me,

Yours faithfully,

PRICE ELLISON,

Minister of Finance and Agriculture.

RE CANADIAN ENTOMOLOGIST.

Entomological Society of Ontario,

R. C. TREHERNE, ESQ.,

Guelph, Ontario, Canada, Oct. 9, 1912.

Vancouver, B. C.:

DEAR SIR,—

Enclosed please find copies of resolutions re alteration of the Constitution of the Entomological Society of Ontario and change of subscription price of the "Canadian Entomologist." Before these can become law they must be sanctioned according to the Constitution by two-thirds of the members present at the meeting of your Branch where they are considered. Would you please call a meeting of your Branch at your earliest convenience and place these resolutions before them. Please let me know the decision of the Branch in regard to them

as soon as possible, as it is necessary that I have the decisions of the various Branches in time to present them at the Annual General Meeting of the Society on November the 19th and 20th, at Ottawa.

The purpose of these resolutions, as you will see by comparing them with the original Constitution, is to do away with the Associate Members. Persons not resident in the Dominion of Canada will obtain the magazine by paying the new subscription price of two dollars per annum, but they will not be members of the Society. Persons resident in Canada may become members of the Society on payment of the annual fee of one dollar, and will receive the magazine and other publications free of charge. Owing to the enhanced cost of printing and postage, it is estimated that each copy of the "Canadian Entomologist" costs per annum one dollar and sixty cents. It does not seem reasonable that the Society should supply persons resident in other countries with the magazine at a loss of sixty cents per annum. If it were not for the grant from the Ontario Legislature, it would be impossible to continue the publication. In the case of subscribers in the United States, there is a further loss of twelve cents per annum for postage.

Yours truly,

A. W. BAKER.

RESOLUTION RE CHANGE OF SUBSCRIPTION PRICE OF THE CANADIAN ENTOMOLOGIST.

Moved by Dr. C. J. S. Bethune, seconded by A. W. Baker, that the annual subscription price of The Canadian Entomologist shall be two dollars (\$2.00), postage included, payable in advance. Members of the Society shall receive the magazine free of charge as stated in Section III., Part I. of the Constitution of the Society. This resolution shall be placed in the Constitution of the Entomological Society of Ontario as Section VIII. (Subscription Price of the Magazine).

RESOLUTION RE ALTERATION OF CONSTITUTION.

Moved by Dr. C. J. S. Bethune, seconded by A. W. Baker, that the Constitution of the Entomological Society of Ontario as published in Volume 3 of the Canadian Entomologist be amended as follows:

Section 1, Part 2 to Read:—

The Society shall consist of three classes, viz:—Members, Life Members and Honorary Members.

Part 3 to read:—

Members shall be persons whose pursuits, or studies, are connected with Entomology, or who are in any way interested in Natural History and who are resident within the Dominion of Canada.

Part 5:—

To be dropped completely, Parts 6, 7 and 8 becoming then Parts 5, 6 and 7, respectively.

Section II, Part 1 to read:—

All candidates for Life Membership must be proposed by a member at the regular meeting of the Society and be balloted for; the affirmative vote of three-fourths of the members present shall be necessary for the election of a candidate.

Section III, Part 1 to read:—

The annual contribution of members shall be one dollar; all contributions to be due in advance on the first day of January in each year, the payment of which shall entitle the member to a copy of all the publications of the Society during the year. All new members except those elected at and after the Annual General Meeting and before the following first of January, shall be required to pay the subscription for the year in which they are elected.

Section VI., Part 4 to read:—

All the members of the Branches shall be members of the Society and entitled to all the privileges of members.

Part 5 to read:

No Honorary Members shall be appointed by the Branches, but such members may be proposed at General Meetings of the Society by any Branch, as well as by individual members.

Guelph, Ontario, Canada, Oct. 26, 1912.

R. C. TREHERNE, ESQ.,

Vancouver, B. C.:

MY DEAR TREHERNE,—

When writing to you the other day, I omitted to refer to the proposed changes in the Constitution of the Society of which you have no doubt received a draft from our Secretary, Mr. Baker. In order to effect the changes in the Constitution, it is necessary that each Branch should concur in the proposed alterations. We are anxious to have these changes ratified at the Annual Meeting next month, and in order to do so would like to have the concurrence of the B. C. Branch as well as of those in Toronto and Montreal. Your regular meeting is not to be held until December, but probably you could gather together the residents in and about Vancouver and submit the matter to them. This would fulfill the requirements of the Constitution. We think that the increase in the price of the magazine to persons who do not reside in the Dominion of Canada is very necessary. It actually costs us one dollar and sixty cents at least to publish each copy per annum, and it seems absurd to offer the magazine to outsiders so much below cost. It is not likely that we should lose many subscribers, while it will place the publication on a more nearly paying basis. As far as Canadians are concerned, it will make no difference whatever. With kind regards,

Yours faithfully,

CHARLES J. BETHUNE.

1625 Nelson Street,

Vancouver, B. C., November 9th, 1912.

DR. C. J. S. BETHUNE,
Guelph, Ont.:

DEAR DR. BETHUNE,—

Referring to your request that I should call a meeting of the B. C. Branch of the Ontario Entomological Society, previous to our annual meeting and in time to refer our opinions re the change in the Constitution to the annual meeting of the Ontario Society taking place in Ottawa on November 19th of this month, I regret to say that this is not possible, for the reason that the members are scattered too much over the province. We have so few members in Vancouver and in the immediate vicinity that no representative resolution could be passed. With the few members that I have seen and referred the question verbally there seems little doubt that they are in favor of the proposed changes. The B. C. Branch has lain dormant for several years. It has now been reorganized, but it is still in a formative condition, consequently I feel personally and as Secretary for the Branch that I should be voicing the feelings of the members that they would prefer to defer a resolution on this point and agree to accept the ruling of the majority of the members of the other Branches.

I remain,

Yours truly,

R. C. TREHERNE,
Secretary B. C. Entomological Society.

MR. CUNNINGHAM—I move that the action of our Secretary be upheld in his reply to the Ontario Society.

Seconded and Passed.

MR. TREHERNE—I think that we should discuss the question of our future policy in regard to the affiliation of this Society to that of Ontario.

So far as I have been able to find out, this Society, in the years gone by, originated as a separate society with a small membership consisting of men interested in Entomology. The question then came up as to whether they should still remain as a separate society or become affiliated to the Ontario Entomological Society as a branch of that Society. Apparently the decision was reached that they should unite their efforts with Ontario, for we find the Ontario Society extending courtesy to the members of the B. C. Society by forwarding the monthly numbers of "The Canadian Entomologist" and the Annual Reports of the Ontario Entomological Society. Such a condition continues till the present day. But now we have developed a little bit beyond the standing of the Society as it was at its inception. Our numbers have increased, fresh blood has been infused into our midst and we have a large number of men engaged in or interested in Entomological pursuits. It is a pity that the work of these men should be lost to the people of the Province and it is unreasonable to expect the Ontario Government to print the work of these men detailing conditions peculiar to British

Columbia and the West. Consequently we must make our own arrangements for this Province. And the question is merely this. It is most desirable to still retain our present arrangements with Ontario not only to receive the latest word in economic and systematic practice of the older country, but also to unite and co-ordinate the entomological work of the Dominion, and there will be no difficulty in doing this if we are financially assisted by the Provincial Government here.

If, however, we are forced to depend on our own financial resources the question of affiliation with Ontario immediately becomes vital.

I have already interviewed the Honorable the Minister of Agriculture and have addressed the letter, I have just read, to him. I have received the reply, also mentioned before, to my letter. I have furthermore respectfully asked him to be so kind as to make an effort to meet us here this afternoon and I am in hopes he will be able to come. You will then be able to judge the situation yourselves. Yesterday I was present at the convention of B. C. Fruitgrowers and I will quote you a resolution that was passed unanimously by the members present:

10. RESOLUTION RE B. C. ENTOMOLOGICAL SOCIETY.

Moved by R. M. WINSLOW:

"Whereas there is a very large field for investigation into the scientific and economic sides of the study of insects in this Province;

"And whereas a Provincial organization, properly encouraged, would be in a position to greatly stimulate the development of our knowledge of insects, and particularly of insect pests;

"Be it resolved that we, the members of the British Columbia Fruit Growers' Association, in annual convention, do hereby petition the Hon. the Minister of Agriculture to make an annual grant in the sum of Two hundred and fifty dollars (\$250.00) to the British Columbia Entomological Society, and to make provision for the publication of their Annual Report."

I may say that this matter was a surprise to me as it is no doubt to the members of this Society. We were not consulted as to our requirements, yet I think we ought to feel we are indebted to the Fruitgrowers for their forethought and interest in our endeavors. You will notice that the sum of \$250.00 is petitioned for and also "to make provision for the publication of their Annual Report."

Yesterday I was asked to speak to the resolution at the Fruitgrowers' convention and I took the opportunity, on behalf of the Entomological Society to thank them for their consideration and forethought.

That is how the matter stands today. I am in favor of remaining a branch of the Ontario Society, which, as I understand it, is the

Canadian Society financed by an annual grant from the Ontario Legislature, and that we should still remit our 50 cents per member to Ontario to receive the monthly numbers of the "Canadian Entomologist" and to exchange Annual Reports with the Ontario Entomological Society.

I am pleased to say that we have with us today a gentleman who is one of the old original Entomologists from Ontario, Mr. Baynes Reed. I am sure that a few words from him on the formation of the Ontario Society would be much appreciated.

Mr. Baynes Reed then gave the members present a short account of the early foundation days of the Ontario Entomological Society in London, Ontario. He explained how the members grew from a mere handful to that of an important number and how the Society enlarged and became of use and direct benefit to the Province. He showed how the appropriation was applied by the Provincial Government of Ontario and how this had grown with years. Engravings for illustrating the publications of the Society was another example of its growth. He believed there were 3,000 cuts available now for use. "This in itself is an argument that should be used and considered by you as a branch of the Ontario Society for I have no doubt you will have complete access to any that you may require for use in this Province."

He said he was very glad to see the steps that had been taken to ask the Provincial Government for financial assistance and he wished us all luck in the endeavor and in the Society for the future.

MR. BUSH—I personally am strongly in favor of retaining our Ontario connection. There are difficulties in the matter of finances, as have been pointed out, consequently I would move

"That in the event of any change being necessary in the policy of this Society, other than that which now prevails, we endeavour to affiliate with the University of British Columbia."

Seconded by Mr. Lyne.

MR. CHAIRMAN—Any discussion?

MR. DAY—It seems that this proposal is somewhat premature. The University is not yet built and we do not know whether we would be allowed to become affiliated with the University.

MR. TREHERNE—You understand that the motion reads "we endeavour to affiliate in the event of any change."

MR. WALLACE—I also think this motion is unnecessary. As it appears the question resolves on the financial outlook, we have a letter from the Honorable Price Ellison regarding the grant to the Society.

We had better wait until we find out whether we get the grant or not. I therefore move an amendment "that the question be laid over for another year."

Seconded by Mr. Day.

MR. TREHERNE—I believe I stated that I had invited the Honorable the Minister of Agriculture to be present at this meeting. I have just received this communication from him:

R. C. TREHERNE, ESQ.,

January 9th, 1913.

Secretary B. C. Entomological Society:

DEAR SIR,—

Replying to your favor of the 19th ult., which arrived during my absence from the city, I note that you are to hold a meeting of your Society in the Parliament Buildings on the 9th inst., on which occasion I am invited to be present. This will afford me great pleasure if it is at all possible. I am gratified indeed with your progress, and I am sure your efforts will prove to be, without doubt, of the greatest benefit.

Thanking you for the invitation, believe me,

Yours faithfully,

(Sgd.) PRICE ELLISON,

Minister of Finance and Agriculture.

MR. CUNNINGHAM—I am very pleased indeed to hear this communication from the Honorable Minister. I am certain that the Honorable Mr. Ellison has our interests at heart, as indeed he has the interests of all phases of agriculture and horticulture. I feel sure that he will make all possible endeavour to be present this afternoon or evening so that I beg to move an amendment to the former two motions "that the matter be laid on the table until the afternoon or evening session."

Seconded by Mr. Collins. Carried.

Central Experimental Farm,

R. C. TREHERNE, ESQ.,

Ottawa, October 9, 1912.

Vancouver, B. C.:

DEAR SIR,—

Dr. C. G. Hewitt, Dominion Entomologist, has just placed me in charge of the collection of Bumble-bees (*Bombi* and *Psithyri*) in this Division. I am anxious to make it representative of the whole of Canada, and should be most grateful for any specimens of these useful insects from your district, especially of the rarer species, if you could kindly spare them. If desired, I would return any specimens after naming them as far as it is possible to determine them. I have made a special study of the Bumble-bees in Britain and Europe, and am hoping that a continuation of their study in this country, where they appear to be of greater importance, will be productive of good results.

I have the honor to be, sir,

Your obedient servant,

F. W. L. SLADEN,

Assistant Entomologist for Apiculture.