

PART II.

BRITISH COLUMBIA ENTOMOLOGICAL
SOCIETY.

PROCEEDINGS, 1915.



THE Fourteenth Annual Meeting of the Entomological Society of British Columbia was held in the Auditorium of the Aberdeen School, Vancouver, B.C., on January 16th, 1915. The meeting was called to order by the President, G. O. Day, F.E.S., of Duncan, B.C., at 10 a.m. on January 16th. The day was divided into morning, afternoon, and evening sessions.

Mr. Day (President): It is only right that the meetings should be held in different places, and this year it has come to Vancouver, and I hope that there will be a large number of members present, and also that in the course of time this Society will come to Duncan. We just want to start the meeting by discussing a little business. I hope Mr. Treherne will tell us what we shall have brought forward.

Mr. R. C. Treherne: There are several points I would like to bring up before the meeting in order to get things started. There is a resolution I would like to place before you: "That the following names of individuals and institutions be added to our complimentary mailing-list; that is to say, in addition to those that have already been printed in Bulletin No. 4: Library of the University of British Columbia, Vancouver, B.C.; Library Department of Education, Victoria, B.C.; Dr. Matheson, Division of Entomology, Cornell, Ithaca, N.Y.; Library, McGill University, Montreal, Que.; Library, University of Minnesota, St. Paul, Minn.; American Entomological Society, Logan Square, Philadelphia, Pa.; Geo. Moznette, Division of Entomology, Corvallis, Oregon; E. O. Essig, Division of Entomology, Berkeley University, Cal.; Agricultural Gazette, Publication Branch, Department of Agriculture, Ottawa, Ontario; Library, University of Illinois, Urbana, Ill.; Edmund Jarvis, Division of Entomology, Brisbane, Australia; Laboratorio di zoologia general & agraria, Portici, Napoli, Italy."

Most of these people and institutions have written for our bulletins, and I think it speaks very well for our Society to receive requests from Australia and Italy. I think it speaks well for the progress we are making. I will just put this in the form of a resolution that these be added to our complimentary mailing-list; also Barnes & McDonough, Decatur, Illinois.

Mr. Blackmore: I suppose our friend Mr. L. W. Swett, 501 Washington Street, Boston, Mass., is on the list.

Mr. Anderson: Of course you have the Columbia University, Barnard College, New York, N.Y. It should be in the resolution that these names be added to our mailing-list.

Mr. Tom Wilson: I second it.

Resolution carried.

Mr. Treherne: At the present time I have the following members to be added to our membership: Mr. Howitt, Prince Rupert, B.C.; Mr. Hook, Cobble Hill, B.C.; Rev. Canon Hinchcliff, Chilliwack, B.C.; Mr. Geo. Raley, Chilliwack, B.C.; Miss E. Warren, Barnston Island, B.C.; Mr. Henry Bailey, South Hastings, B.C.; Messrs. A. E. Baggs, T. A. Hamilton, C. W. Mathers, M. G. Stevens, C. L. Thornber, and T. Williams.

Mr. Day: Have you had a request from Miss Sellence, of Duncan, B.C.?

Mr. Treherne: I do not believe I have.

Mr. T. Wilson: I move that they be made members.

Mr. Day: I second it.

Resolution carried.

Mr. Treherne: There is another matter I would like to have put in our proceedings, as a feeling of regret that one of our members, Dr. de Verteuil, was drowned off H.M.S. "Good Hope" off the Chilean Coast. He was a member of this Society and well known in Vancouver. He went to the war as a naval surgeon.

Mr. Day: I think it would be nice to send a copy of this resolution to his relatives if they could be found.

Mr. Treherne: There is another point I would like to bring up in connection with the war. I have received a letter this morning which is an example of several I have received. This is from a member at Creston. He states as follows:—

"Owing to my departure to the war in the very near future, there will be no sense for the time in renewing my connection with this Society. However, wishing it every success in future as it has had in the past,

"I remain,

"H. S. FITZGERALD."

There are one or two other men who have gone to the front who have not forwarded their dues but wish to retain their membership. I propose, therefore, that we should send their 50 cents out of the funds of our Society to the Ontario Society to retain their connection, so that they will receive their bulletins.

Mr. Day: I do not think we can do anything less; it is nothing but right.

Mr. Treherne: With reference to the resolution we passed this time last year in connection with the buying of insects from the members of our Society, I took this matter up with the University Council, having in mind that Mr. Cockle would probably have a fine collection of insects to dispose of, and I have received the following reply from Dr. Westbrook:—

"Last night I brought your letter regarding the collection of insects before the Board of Governors. The Board would be very glad, if at any time collections are available, if we might be informed, although as yet we shall exercise great care in securing collections until such time as the Department is manned, so that we will have the benefit of the judgment of its head and his staff."

Mr. Blackmore: Are there any collections on the market?

Mr. Treherne: Yes.

Mr. Day: They have not yet started their building, so are not in a position to make any offer.

Mr. Treherne: There is another letter which I received which I have not got here. It is from Saskatchewan from Mr. Johnston, of the Saskatoon High School, and he states that he has noticed the proceedings of our Society and has been much interested, and has been moved to frame up an Entomological Society for Saskatoon. The proceedings of their Society, which they formed a couple of years ago, has been printed in a local newspaper. They have now approached the Government, and they are going to give them this spring a small grant, very much like what we are getting, and they are proposing to publish their proceedings. This is very interesting.

There is another point that I have taken up privately, although I understand it was taken up, more or less, as a Society matter in the East. The annual meeting

of the Ontario Society was held last November, and in order to publish it in time for this meeting I wrote a personal resolution in my own name, suggesting that all of these Provincial Societies should be boiled down, and that we should no longer try to enlarge the scope of the proceedings of British Columbia, Quebec, or Nova Scotia. I made mention that we were a branch of the National Society, which had become known as the Ontario Society. I suggested that the publications of proceedings be amalgamated and formed into a bi-monthly national bulletin. Furthermore, we have from time to time practically taken from the *Canadian Entomologist* papers that were offered to us because they were British Columbia subjects, advising us that if we did not want them they would send them to the *Canadian Entomologist*. This is undesirable. If we form a National Society we may get a bi-monthly bulletin. These proceedings (Bulletin 4) were given in January last and came out last September, being eight months before they got to the public. It would be much better to have a National Society and have them published quarterly.

I suggested in my resolution that the Dominion Entomologist be requested to approach the various Provincial Governments, asking for a separate grant from each proportionate to the membership, and to establish headquarters in Ottawa or some other place from which the bulletins can be issued. This was taken up, I fear, as coming from this Society. However, if this Society desires to go on record—

Mr. Day: I think we should have an opinion from the private members; it is a matter that requires thinking about.

Mr. Treherne: I have also been informed that Dr. Bethune and Dr. Walker, of Ontario, are considering the matter.

Mr. Anderson: Has the private opinion of the other Provincial Societies yet been aired?

Mr. Treherne: Not yet; in the meantime their replies are still pending. I wrote Mr. Brittain in Nova Scotia suggesting that he get busy along the same lines.

Mr. Treherne: It is an expensive proposition getting out bulletins like this. We have to get our own plates and pay for them ourselves, and if we could only get a National Society together we could use a great many plates which are in the East.

Mr. Day: Would the proceedings of the National Society be extensive enough to include all such proceedings as are now published by the Provincial Society? Would they not eliminate a great deal? That would be a point we would have no control of, what they will print or will not print; whereas if we publish our own proceedings we can print what we want and use our own discretion. They will leave out a lot of things which we would like to have put in.

Mr. Treherne: I suppose the committee would be representative of the different Societies. I fancy there should not be any difficulty from that, because the number of issues published in the year would greatly exceed the supply. Say here we have 80 pages in this bulletin, and the Ontario Society is not much larger than that. If we split it in four and spread it over a year it would cover all.

Mr. Anderson: All details sent in from each Society should be printed?

Mr. Treherne: If we had an Advisory Board, it would rest with them as to what should be printed.

Mr. Day: It is an important question, and perhaps we ought to take the opinion of this Society, and in the meantime ascertain the feeling of the other Societies and lay it over for another year.

Mr. Treherne: It appears to me that it is only a question of time and it will have to come down to this bi-monthly proposition. This annual report business seems to me to be absolutely antiquated. Each one is trying to publish a little bulletin of its own Society, while they really all should come under one head. That is my point. One Society is in competition with the other, and competition is always wasteful. If you care to leave this over until this evening or lay it over for another year, we can think it over.

Mr. Day: I think Mr. Treherne should be commended for what he has done; he has taken a very important step.

Mr. Treherne: I think it was taken up wrongly by the East as coming from this Society as a resolution passed at our last annual meeting.

FINANCES.

Mr. Treherne: The finances of this Society at the present time are in excellent shape. We received a Provincial grant of \$350 last April. The Minister of Agriculture has for the last two years allowed us \$250 each year. When writing him last spring I asked him for this grant of \$250, and informed him that we were \$100 odd in the hole, and he very kindly remitted us the grant of \$250 plus \$100, which more than covers the deficiency, so now at the present time our accounts have already been certified O.K., and the balance in the bank at the present time is \$183.30, and \$34 has been received in fees, and half of \$34 would be \$17, which added to the \$183.10 will give us the total sum we have in the bank. An account of the finances to date is published in Bulletin No. 5.

As a matter of form, I wrote to the Minister of Agriculture again and requested him for another further grant this year. I received a letter from Mr. Ellison in which he stated:—

“I note your request for a grant of \$250 this year as previously. In reply, would say that I shall endeavour to get this grant passed in the estimates, although I cannot say whether it will go through.”

I also wrote to Mr. Scott, Deputy Minister of Agriculture, and he replied:—

“Adverting to your letter of the 28th, I take pleasure in advising you that the Honourable Minister of Agriculture has authorized me to place the sum of \$250 on the estimates for your Society. This will accordingly be done, and provided it is passed by the Executive, will be payable at the beginning of the ensuing year for the work of your Society.”

I do not think there is anything else to bring up.

The President: I think the next business will be the reading of the papers. The first one is: “(a) Aphid Notes from British Columbia; (b) *Myzaphis (Aphis) abietina* (the Green Spruce-aphis),” by H. F. Wilson, Corvallis, Oregon.

Mr. Treherne: This is a paper Mr. Wilson wrote for our Society regarding his experiences when he was up here the summer before last. We are getting out a little bulletin which will be Bulletin No. 5, and this paper will be given there. It refers to the green spruce-aphis, which is doing more damage than any other insect on the Coast at the present time. It is a periodical visitant. This bulletin will be published in about ten days, so that I do not think it is necessary to take this matter up before the Society.

Afternoon Session.

The President: The first paper this afternoon is on “Insects of the Greenhouse,” by G. E. Wilkerson, Victoria, B.C.

Mr. Treherne: Mr. Wilkerson had to return to Victoria this afternoon, so handed in his paper to be read.

INSECT PESTS IN GREENHOUSES.

By G. E. WILKERSON, VICTORIA, B.C.

In dealing with this subject I will endeavour to give a short description of the different pests, and to go more fully into the damage that they do and how their presence may be detected, and the best way to eradicate them, or, at least, keep them in check. This I will give from my own personal experience in greenhouse work for the last twenty years in Victoria. I will endeavour to give only such descriptions as any person connected with greenhouses can understand.