

MR. FRACKER: I do not know of any state in which the nursery inspector is appointed for any specific period.

CHAIRMAN RUGGLES: The next paper is by T. J. Headlee.

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## PRESENT STATUS OF THE GIPSY MOTH IN NEW JERSEY<sup>1</sup>

By THOMAS J HEADLEE, PH.D., *State Entomologist, New Brunswick, N. J.*

The speaker can offer as his only excuse for presenting this paper the fact that the attempt to exterminate the present gipsy moth infestation in New Jersey constitutes one of the largest efforts of this kind that has ever been carried out within the limits of the United States. He has attempted to put himself in the place of an entomologist, whose field of endeavor lies in a state far removed from gipsy moth infestation, and to see whether he would, under those conditions, like to know how things are coming on in the effort now being made in New Jersey. It is on the basis of the answer to this question that he has felt that a statement of the situation might meet the wishes of the entomologists here assembled today.

At the close of the dormant season of 1920-1921 the one hundred square mile area reported in the paper entitled "The present status of the gipsy moth in New Jersey" and read before the last annual meeting of this association, had expanded to an area of approximately four hundred and ten square miles. Since that time, although the scouting has gone on through the fall and early winter and has covered approximately 38 percent of the original four hundred and ten square mile area, plus its four hundred and ninety square mile safety border, only one additional township has been found infested, and it can be said that with our present knowledge the area (410 square miles) known last spring has not been materially increased by the scouting.

The work against the gipsy moth up to July 1, 1921 had cost \$254,000.00, out of which about \$82,000.00 was expended for a more or less permanent equipment of spraying machinery and hose. Of this sum the state of New Jersey furnished \$112,000.00, Mr. J. B. Duke \$25,000.00 and the United States Government \$117,000.00.

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<sup>1</sup>For the information of persons who may not be familiar with a paper of the same title read before the Annual Meeting in the year 1920-1921, the writer desires to say that the gipsy moth fighting force in New Jersey is officered by experienced gipsy moth men drawn from New England, that Mr. H. A. Ames is in immediate charge of the work in New Jersey but that his work is done under the direction of Mr. H. L. McIntyre, who is in charge of the field work against the gipsy moth throughout the United States.

TABLE SHOWING EGG MASSES FOUND IN 1920-1921 AND IN 1921-1922

## General Area

Place	1920-1921	1921-1922
Dukes Park, 1100 acres	3,000,000	51
Plainfield City	4 & 1 ♀ p.	0
Sayreville Township	4 & 2 ♀ p.	0
Westfield Township	1 ♀ p.	0
Balance of the general area	1405 & 106 ♀ p.	?

## Outside Areas

Deal Beach	201	0
Elizabeth	1	0
Glen Rock or Ridgewood	2 & 1 ♀ p.	?
Madison	2	?
Mendham	1486	10
Paterson	1 ♀ p.	?
South Orange	12	0
Wyckoff	4	?

From the above table, as far as the scouting of this fall and early winter has gone within the infested areas, it seems that there has been a very material reduction in the number of egg masses. What the continuance and completion of the 1921-1922 scouting will show is, of course, impossible to say; but if we may take the above figures as an indication, it is to be expected that the first year's work against the gipsy moth will show most excellent results. With one exception, that of Mendham, the outside areas thus far scouted have shown a complete disappearance of the insect.

The total cost of the work in New Jersey for the present year is not apt to be much less than it was last year, because the money which was expended last year in permanent spraying equipment and which this year will not need to be replaced will be taken up in the amount of additional scouting necessary. The work of the present year is supported by \$125,000.00 state appropriation. The amount of money which the Government will be able to expend in New Jersey is still a matter of doubt, because the \$400,000.00 appropriated by the last Congress for the gipsy moth work in the country is insufficient and of the \$600,000.00 requested of Congress for the gipsy moth work for the coming fiscal year \$100,000.00 is requested as immediately available. If the \$600,000.00 request is granted, the New Jersey problem will probably receive a

minimum of \$100,000.00 of Government Funds. The amount of private funds available for the present year is at present uncertain and cannot be reported on.

All things considered it is felt that an excellent start in the direction of extermination has been made.

CHAIRMAN RUGGLES: We have one paper this morning that is not on the program. I am sure you will be glad to hear from Mr. Borodin who has a message from Russia and we will allow him a few minutes.

## THE PRESENT STATUS OF ENTOMOLOGY AND ENTOMOLOGISTS IN RUSSIA

By D. N. BORODIN

American Entomologists have been in close contact with the Russian Colleagues until 1915, but since that time relations have not been re-established. However, in spite of the Chinese Wall surrounding Russia, some news from there is reaching this country.

From a series of letters, which have been received, one may get some idea as to what has become of the Russian Entomologists and in what direction the work is now being carried on. First of all, it will be necessary to present a long list of those Russian workers, who died during the War, revolutions and famine. The majority of American colleagues are undoubtedly familiar with the article by Mr. Y. A. G. Rehn, which appeared in the "Entomological News," Vol. XXXII, No. 7, July 1921 and entitled "An Appeal from Russian Fellow Entomologists." It may be well, however, to repeat this list here, supplementing it by a number of additional names.

Adelung, N.	(23. XI. 17)
Alferaki, C. N.	(24. VII. 18)
Bianki, V. L.	(10. I. 20)
Blecker, G. F.	(II. 19)
Bostanjoglo, V. N.	(1919)
Vakoolovsky, N. N.	(1918)
Vassiliev, E. M.	(VII. 19)
Zarodni, N. A.	(13. III. 19)
Kavargin, V. N.	(I. I. 19)
Karavaev, B. A.	(1919)
Kroolikovsky, A. K.	(X. 20)
Koordiumov, N. V.	(7. IX. 17)
Meinhard, A. A.	(24. VI. 17)
Oshanin, V. F.	(26. I. 17)
Porchinsky, J. A.	(8. V. 16)