

is illustrated by the remarks of Prof. Shutt. Any one who thinks for a moment of the local conditions of water or soil, or, generally, of the geology and topography of any district, will understand that the analysis of the water from one well, say in the barnyard of a farm, will yield very different results from that of another even a short distance away. The difference between wells on two neighboring farms may be still greater. It has been quite evident, by what you have said, Sir, that, if we are to do the work Prof. Shutt is endeavoring to do, or that the Provincial Board is endeavoring to do, we must, so to speak, lessen our territory and centralize our efforts. Instead of analysis for the whole Dominion, dealing with the waters of a district four thousand miles long by three hundred miles wide, or with a district covering one Province with a length of two thousand miles, we must deal with small districts, such as counties. Take, for instance, the eighty square miles included in the ordinary township. It will readily be understood that the energies of one expert man could be confined to the district, and then there would be a lot of work which he could not by any means compass. As you know, in England, a sanitary survey has been carried on covering all the counties. One who examines the geological map of the country will readily understand the need for such a survey. Such a geological survey of each county from a sanitary standpoint is as necessary in Canada as in England. The discussions I have had with health officers in all parts of the country lead me to believe that we must have an expert officer in each district. I will not say that such an officer must necessarily be appointed for each county, but for a district, and each officer must be trained from every standpoint, chemistry, biology and geology, for the work before him. His time should be wholly given to the work of sanitation, and to him subordinate officers such as inspectors or even township health officers, if it is thought necessary to have them, and veterinarians of the district would come for information on the matters that come before them. I can see that it is only a matter of time until the work of the Dominion, the Province, and Municipality must be left to officers of that kind, paid, I am not prepared