

We expect to erect a two-storied building which will have the following:

- (a) Field laboratory.
- (b) Pens for pigs and sheep to be kept under controlled conditions.
- (c) Incubator rooms and pens for chickens.
- (d) Feed room.
- (e) Sleeping quarters for workmen.
- (f) Post-mortem room.
- (g) Accommodation for cages for laboratory animals.

#### The Staff Co-operating in the Investigation.

A committee has been formed among those interested in the problem. The parasitological, bionomic, pathogenic and therapeutic studies will be made by Prof. E. Melville DuPorte, M.Sc., Ph.D., parasitologist and Prof. R.L. Conklin, M.Sc., D.V.M., pathologist, with the added assistance of two research workers to be paid from funds made available by the grant. Co-operation in problems of management will be obtained from Professor W.A. Maw, M.Sc., of the Department of Poultry Husbandry, and Prof. E.W. Crampton, M.S. of the Department of Animal Husbandry.

The relation of parasite incidence to the nutrition of the animals will be one of the important fields of our investigation. As soon as the parasitological work is sufficiently advanced to enable us to visualize the nutritional or physiological problems, arrangements will be made with the Department of Chemistry for co-operation in this work. It is hoped that we shall be able to appoint a special research assistant in the field.

#### Scope of the Investigation.

Should funds be made available it is proposed:

- a. To make an extensive survey to determine the distribution, prevalence and economic importance of the parasites of sheep, swine and poultry.
- b. To conduct laboratory and field investigations into the bionomics of their intermediate hosts, if any.
- c. To study the relation of age, previous infestation, and breed to susceptibility and resistance.