

being developed, all of which should serve as bases for specialization for poultry students. These phases of work are first, genetic and breeding problems, second, growth and nutritional problems, and third, disease and parasitic problems. The third phase, that of disease and parasites, will be carried on in co-operation with Dr. Conklin and the Committee on Poultry Parasites, respectively.

The possibility for attracting students to specialize in Poultry Husbandry depends largely upon work of immediate fundamental nature being carried on by the department. The above mentioned phases of research are of the utmost importance to the development of the industry.

Production records of eggs, breeding activity and growth will be available for students in Economics or others wishing to obtain material for statistical analyses. Such data should be available for projects of various types.

The list of work already published serves as a basis to designate the type of some work projected (See Appendix D).

#### Genetic and Breeding Work

##### 1. Study of the Inheritance of Body Size and Egg Size.

(The object of this study is to determine the number of genetic factors involved in the inheritance of body size and egg size and to discover their relation to other factors, the inheritance of which has already been determined).

##### 2. Artificial Impregnation Problems.

##### 3. Sex Ratio in the Fowl.

##### 4. Cross-breeding and Meat Production.

##### 5. Statistical Studies of Egg Size.

#### Growth and Nutritional Problems.

##### 1. The Relationship of Body Type and Meat Production.

(This problem involves the study of the growth and feed consumption of various pure bred and cross bred stock to varying ages as designating classes of market stock).