

ment of one year may defeat that of the previous year. To improve poultry one needs to have a purpose or plan which does not end with the year but reaches out into succeeding years, so that each improvement will help the next, the cumulative effect of many small improvements in the same direction producing a marked influence upon the characteristics of the flock. There is some truth in the old saying "Fools for luck," for heedless breeding may have produced excellent results, but in the long run the observation of well defined principles of breeding will beat luck hands down. Luck is a poor dependence. Rejoice when you are lucky, but for success do not depend upon a fortuitous concatenation of events, but upon a pre-arranged plan which will cause things to work together for the desired end.

INSTRUCTION IN POULTRY CULTURE IN RHODE ISLAND.

To aid in promoting the study of poultry culture a poultry plant for educational purposes has been established on the farm of the Rhode Island College of Agriculture and Mechanic Arts at Kingston. The teaching of poultry culture is made a regular feature of the agricultural instruction.

The next special course of instruction in poultry culture is planned to begin on January 9, 1899, and to continue four weeks.

The College has a good force of instructors in the sciences and arts upon which poultry culture is based. Several expert poultry specialists will assist as instructors in the course.

This special short course of study will include instruction in the following topics: Poultry plants, location, planning and establishment, drainage of the land; buildings, planning and drawing of plans, making specifications and estimates, location and arrangement, construction, ventilation and furnishing, fowls, their origin, kinds and breeds, principles of breeding, mating, special breeding of waterfowl, turkeys, pigeons, etc.; incubation and rearing both natural and artificial, foods, feeding, care and management, production of eggs and flesh, caponizing, fattening, killing, dressing and marketing, diseases, business meth-

ods and management, scoring, records, accounts, etc.

Instruction will be given in zoology, anatomy and physiology sufficient for a foundation for the course. Embryology will be taught in the biological laboratory, where also the nature and habits of poultry parasites will be studied. Carpentering and the construction of poultry houses and fences will be taught by practice in the carpenter shop and poultry department. A special study will be made of the chemistry of poultry foods and the balancing of rations.

Mr. M. H. Arnold, Manager of the Poultry Plants of the College Farm and Agricultural Experiment Station, will aid and guide the pupils in their practice in the running of the incubators and brooders and in the feeding, care and management of the fowls.

During the course the forenoons will be devoted largely to lectures and class-room work; the afternoons to laboratory work and to practice in the carpenter shop, incubator-house and brooder-house and in the management, care and feeding of the fowls; the evenings to study, to meetings for discussion, etc. The Saturdays will be devoted chiefly to inspection excursions of the class to different poultry farms in New England. Special public lectures will occasionally be given. Opportunity is further offered to a limited number of students to supplement this special course of study by a year's practical training in the work of the College poultry plant.

The necessary expenses of the course to the pupils will be very moderate. The only tuition fees are in connection with the use of the carpenter shop, laboratories and incubator and brooder-houses. For the course in each of these one dollar will be charged each pupil. A few dollars will be required for the purchase of reference books, note books and class room supplies, all of which are furnished at cost by the College book store. Board at the College dining hall is \$3 per week. Lodging during the four weeks of the course can be arranged for in several of the College buildings or in the village of Kingston and the neighborhood at from fifty cents to one dollar and fifty cents per week. A special fee of five dollars will be charged pupils from outside the State of Rhode Island. Twenty-five to thirty dollars should cover the necessary expenses of a student while on the grounds. No entrance examina-