(Continued from last week)

## Fe-ding the Young

pheasants, but we will give as a sample of one of the old methods the bill of fare laid down by George Horne, an English gentleman of large experience in raising pheasants, who is also the author of a most excellent book on pheasants entitled "Pheasant Keeping for Amateurs."

"Rice well boiled (not sticky), chopped onions and their tops, crushed hemp, a little pepper, baked breadcrumbs, well ground, sprinkle the food with a little iron tonic, and let the whole be mixed till quite dry. Never let it get sour or be left from day to day; only put enough the last thing at night for early breakfast. Do not forget the younger the birds, the more custard."

Another way young pheasants are raised in the Old Country is by hanging sheep's pluck, beet's liver, dead raubit, or, in fact, flesh of any kind, males hibernate in sheltered places and up in the sun until it becomes full of emerge with the warm weather to de maggots. The flesh is then shaken, the young birds eat them. This food, and during a period of only about 15 combined with ant eggs, omons and days in warm weather, from the time lettuce, has proved fairly successful in the eggs were deposited on the flesh, raising young pheasants. We tried it, it will have changed into a maggot, but the smell of the decaying meats then pupa, from which emerges a full was so disagreeable that we were forced grown fly. Single females of the blue-to abandon it. Being firmly convinced bottle kind have laid 74,143,223 eggs. to abandon it. Being firmly convinced that there is no food for young pheas. Mr. Kirkland, of the Board of Agriants equal to the larvæ of flies, we next culture of Massachusetts, has estimated partly filled some barrels with sawdust the product of one female fly for ten and sunk them in the earth. The tops generations, and states that, roughly of the barrels were covered with wire mosquito netting, and in the centre we belt of flies two hundred miles wide from our butcher some sheeps' plucks, liver, etc., as required each day, from the day we commenced to set pheasants' eggs. After first being hung up females after being fertilized, retain the until well fly-blown, we put a pluck or eggs until they have hatched. They a liver into a barrel. We arranged it deposit large numbers of living larve in this way so that a batch of flies on exposed meat. They are not so first turn into small maggots, which in as their maggots are larger. It is therewarm weather soon grow full size, and fore advisable to favor the production then change into the pupa state, which of the flesh fly. This may be aclooks like very small black beans. complished by allowing occasionally a a full sized fly, which sees the light at larger than that of the blue bottle, they the top of the barrel and crawls up, may easily be separated by a sieve that passes through the small hole and into We just pass the five times a day. fly catcher full of flies over hot steam, desirable breeding flies can be obwhich kills them. The fly-catcher is tained. made to part in the middle, and we turn out the flies, and the young birds will have a scramble. They enjoy them very much. There is but very little smell from the barrels, it kept covered with cloth over the fly screen excepting the hole through which the

alive about every second day.

### Scientific Method.

Our investigations in Ornithology and especially the study of the twenty or more varieties of birds commonly called pheasants, has forced upon us the absolute necessity of further investigating the most natural food for those birds. This leads us to leave Ornithology for a time and wade into Entomology, to study the particular kinds of flies and their culture that produce the larvæ which is so very essential to the lives of young pheasants.

The first we will describe is the most common and is called the Blue Bottle I'ly (Lucilia Caesar). posit their eggs (fly blows) on animal and as the maggots fall to the ground matter. These soon become maggots, days in warm weather, from the time speaking, this product would make a made a quarter-inch hole, putting over around the entire globe, so great is the the hole a bulbous fly-trap. We got reproductive powers of this insect when not destroyed by its enemies.

The Flesh Fly (Sarcophaga Carnaria). The peculiarity of this fly is that the females after being fertilized, retain the would hatch each day as a daily supply plentiful as the blue bottle, but they for the young pheasants. The flies are more desirable for pheasant food, They remain in this state for some few quarts of maggots to pupate, and days, and then from the pupa emerges as the pupa of the flesh fly is much will allow the pupa of the blue bottle the common bulbous fly-trap on top, to pass through but will retain the We have had these fly-traps from one other. Allow the flesh flies to hatch barrel almost filled with flies four or out and go at liberty for breeding flies. In this way a fine supply of the most

> There is another fly which breeds in animal matter and furnishes some food for young pheasants. It is called the Blue-Tailed Fly (Calliphora Vomitoria). It is not of sufficient importance to further describe it.

There is a wide-spread belief that flies get into the trap. In this way we maggots are disgusting, stinking things. raised every young pheasant except Our investigations and study of Entoone, which met with an accident. The mology proves to us that maggots sep-birds were strong, fat and rapidly arated from their usual surroundings

The assimilating power of the to be without a net of this kind. maggot is so great that it can change every particle of meat to maggot without leaving any residue, consequently there can be no smell. Sheeps' plucks, livers, &c., can be purchased at the butcher's for a trifle, and turned into maggots in this way, blood is also a good food for maggots.

To provide for cold and wet weather when flies are not out, place a bushel or two in a refrigerator, at from forty to forty-five degrees. Development is suspended, and they may be kept for weeks. In the case of a scarcity of full grown maggots caused by cold weather, put the undeveloped into an incubator at ninety or ninety-five degrees, and development is hastened.

In breeding maggots care must be taken to keep them covered with woven wire fly netting to protect them from a very large-winged bug, which would otherwise get in and destroy them by the hundreds. After the first thirty days the maggots may be safely withheld, and the wings of the young birds clipped in a way we will later describe, and the birds turned into a field of grass, and fed for a time on scalded grain, then any kind of grain, grass or vegetables, and the danger to life is over. The field should have a fence six or seven feet high—seven feet is better-and care must be taken that no brush or anything else is left so close to it as to enable the birds to jump up, and with a second jump reach the top of the fence, then over. From preference pheasants roost where they can see the sky above them, and if no provision to prevent this were made, they would willingly and very persistently expose themselves to every rain storm. This can easily be avoided by leaving not a vestige of brush or any where will be forced to go under shelwinter, and their feed after the first few weeks is of little importance. They may he feed a little corn, wheat, etc., until the snow comes, but if they are turned into a good fresh orchard or other field where no pheasants have previously been, they will eat but little grain of any kind until the snow hides the grass from them. Grass is as much the staff of life for the pheasant as bread is for man, and for this reason twelve of them would not eat more grain than one barnyard fowl.

At four months the males and females are better put in separate fields, and if the birds are not pinioned their wings must be attended to every two weeks until they are four and a feathered, and at six weeks old were are just as clean and odorless as young feathers, and if well clipped then, will ure per acre is recommended. In the just twice the size of some phsasants chickens, goslings, &c. Flies do not need no more attention until they spring the land should be thoroughly of the same age that we had raised for lay their eggs on tainted meat when moult the next fall. In order to clip cultivated and the seed bed made as

PHEASANT CULTURE.

By I. SHANNON McGittivaav, M.D.C.M. Hamiltof raising pheasants die. There is the case barrels full of the flesh fly out. We use a common dip net, one thing that must not be lost sight. one thing that must not be lost sight maggots may be produced without the which was made for catching fish in of. It is the fact that flies lay their slightest odor, and not hundreds but the rapids. The hoop upon which eggs and then die; and if their in thousands of young pheasants may be the net is fastened is about two feet We come now to by far the most crease is not provided for, the whole important of all pheasant culture—the feeding of the young. We have before of them. To keep up a good supply the maggots twice a day on very thinly without the slightest difficulty, and as many methods of feeding young of breeding flies, we let go a trap full sliced fresh meat. Learn what they for young ones, we dip up half a dozen will eat up cleanly and feed them no at a time. No pheasantry can afford

(To be Continued).

# THE CULTIVATION AND GROWING OF CORN.

# The Best Methods of Leading Ontario Farmers.

A couple of months ago we sent out a list of questions to a number of leading farmers in the various districts of the province pertaining to the cultivation of the land for spring crops and the best varieties of grain to sow. A lot of valuable information was received, a large share of which was published some weeks ago, and we trust it has been helpful to many farmers. In this list of questions was one referring to thecultivation of the land for corn. Corn is becoming, if not already so, the most important Canadian fodder crop. In many sections where the climate was considered to be too cold, or too much liable to frosts, to admit of corn being grown successfully, farmers are now growing large crops of corn every year. As they become more familiar with the different varieties of corn and the kind of treatment the plant requires, they do not find much difficulty in securing a good crop. The value of corn as a fodder crop cannot be over-estimated. For furnishing an abundance of good, succulent feed for the winter the corn crop and the silo cannot be beaten.

One of our correspondents says that, in order to insure a good crop, corn requires: 1st, a rich, warm soil; 2nd, a thorough cultivation and preparation of the soil before planting, 3rd, good seed; and 4th, a thorough cultivation when the crop is growing. If these are kept in view there need be no fear about securing a good crop during any ordinary year. There are a great many different varieties of corn, and it place to roost, except under sheds is difficult to give advice as to the best covered over on top only with conve- variety to plant. For silo purposes ment and tempting roosts. The birds and for winter's feeding the kind that when they can find no roosts else- will be sufficiently matured before the frosts come, that will give the largest They may be left in this field all number of ears to the stock and that will give the largest total yield per acre, should be selected. Where the season is sufficiently long to admit of the plant being fully matured, the Mammoth Southern Sweet will give good results. But, outside of Essex County it is only in exceptional cases that this variety has a chance o mature before the frosts come. Some varieties that are recommended are the Mammoth Cuban, Salzer's North Dakota, Wisconsin Earliest White Dent, Crompton's Early, Huron Dent, Pearce's Prolific and Thoroughbred White Flint.

The larger number of our correspondents consider fall plowing the best for corn. Manure well during the winter or early spring with fresh half months old, at which age they remanure. From fifteen to twenty and ceive the last of their adult pinion up as high as twenty five loads of manus by an Englishman and after the old fresh meat can be found, and maggots the wings the bird must be caught, fine as possible before the corn is English plan. Forty per cent. of the are clean feeders from choice and which to a novice is no easy task, be- planted. This last point is very