

nated with vaccine made up of scabs and exudate ground together before attenuated. Others were vaccinated with vaccine made by macerating scabs and exudate separately and mixing the two vaccines together before injection.

The best results were obtained amongst the seven flocks by the use of the vaccine made up of the scabs and exudate ground together before being attenuated.

Data was not obtainable from any source relating to the vaccine made up of scabs. Our experiments show that good results are obtained by vaccinating five to eight week old chicks one pint size shot sizes of disease after seven days, twice with 1/2 cc. of vaccine at intervals of time to forty days.

Two c.c. was injected in three of four very bad cases expected to die in a few hours. Cases recovered and cannot be noticed other than by blind number to day after operation of seven months.

Strong tincture of iodine is recommended as the best disinfectant to use with this disease. The scabs and exudate should be removed with a sterile pair of forceps and tincture of iodine applied to the exposed surface.



Mature piles should not be allowed unprotected about the henhouse. If they are when diphtheritic poult is present in the plant they should be buried. This will give your neighbours' fowls protection as well as your own.

The method of preparing the vaccine is as follows. One half gramme of chicken pox scabs and exudate to 100 cc. of physiological salt solution is the proportion used. The scabs and exudate are first weighed out and ground in a sterile mortar with a small amount of the salt solution until pulverized. This material is poured in a flask, stoppered, placed in a water bath, and attenuated at a constant temperature of 55° C. for one hour. It is then filtered into a sterile flask or bottle and the remainder of the salt solution poured through the filter so as to wash out as much of the pulverized material as possible. It is very essential that the vaccine be used as soon after preparation as possible. Since no preservative is used it will deteriorate if allowed to stand. If old vaccine is used poor results in the form of abscesses at the point of inoculation and the death of the fowl are to be expected.

For further detailed information we could refer our readers to:

Circular No. 1156. By J. R. Beach, University of California, Berkeley, Calif.

Bulletin No. 82. By Mack and Records, University of Nevada, Reno, Nevada.

American Veterinary Review, Vol. XLIV, No. 3. Article by Hudley & Bear, Madison, Wisconsin.

The writer wishes to acknowledge the suggestions and assistance kindly given by Dr. S. Hudley, Dr. Bruce, and P. H. Moore, B.S.A., of Agassiz.