

FARM CO-OPERATIVE DIVISION

A MESSAGE TO EVERY MEMBER.

PREVENTING CANNIBALISM IN CHICKENS.

By W. D. Buchanan

Cannibalism is the result of abnormal conditions. It is no more natural for chickens to eat each other than it is for human beings to commit murder. An outbreak of cannibalism always indicates a previous violation of one of nature's laws.

Crowding is the first and probably the most frequent of all causes. It is natural to brood a dozen to fifteen chicks with one hen. It is not natural to brood one hundred chicks together, and still less natural to brood five hundred or more. Crowding robs the chick of its natural desire to move uninterruptedly through space. A chick naturally hunts for its food. It will hunt far and wide for angworms. If a chick bumps into its neighbor every time it starts to look for an angworm it is quite likely to pick toes.

Crowding hundreds of chicks together tends to exhaust the oxygen in the air. In a very large house, chicks might get enough air for a day or two even with the windows closed but in a small house the air is likely to be stale. Its vital giving functions are soon exhausted. The result is that chicks develop an abnormal feeling and an abnormal appetite. They would never start to pick toes if the chicks could be spread over an acre of ground in the open air. Since under ordinary conditions this is not practical, if you would prevent cannibalism you should attempt to give an abundance of room and an abundance of fresh air in the brooder house.

Next to crowding, and a limited supply of air, comes a warm, stuffy brooder house. Chicks need plenty of heat under the hover but they need a cool work room. The space under the hover should be almost as warm as a hen's body, especially when the chicks are young, but the outside of the hover where the chicks are supposed to work should be cool and full of fresh air. A temperature of 60 degrees in the work room is much better than a temperature of 90 degrees.

From what has been said you may begin to wonder if we are assuming that cannibalism starts in the brooder house. It certainly always does. The habits of a chicken like the habits of a human being are formulated early in life. There is an old saying that "an idle brain is the devil's work-shop." Idle chicks, that is chicks that have nothing to do, may find something devilish to do even in a well ventilated, cool work room. It is not natural for chicks to eat every bit of food out of a hopper. Under natural conditions chicks are likely to take several steps between each bite that they eat. If they are to be hopper fed, some device must be used to give them an opportunity to exercise continuously. Deep litter on the brooder house floor, if it is kept clean and dry, is a natural inducement to exercise. In fact, it is a good policy to scatter a few ounces of scratch feed in the litter at intervals throughout the day even when most of the feed is kept in hoppers. Chicks will naturally scratch in clean, dry litter just for the fun of exercise or in the vain hope that they may find something to eat. They are much more likely to continue to scratch, however, if occasionally they do find something to eat.

Nature never intended chicks to be brooded in a house at all. Even the best brooder house creates an abnormal environment for chicks. Most brooder houses have windows. The sun shining through a window creates a bright warm spot on the floor. On this spot, the chicks are sure to congregate. If the floor is bare, the toes are in evidence and offer a sure temptation to pick. A floor covered with two or three inches of straw would be less dangerous. Sunlight shining through an open space would offer less warmth but, since brooder houses under artificial conditions are a necessity, the windows should be so regulated or curtained that no bright spots of sunshine fall on the floor.

A poorly balanced ration may be the beginning of an outbreak of cannibalism. In nature chicks live on seeds, bugs and worms. This natural ration is likely to be very high in protein. Under artificial conditions, therefore, you should start your chicks on a ration that is high in protein. This means that your chicks should be given mash almost exclusively during the first few weeks. However, since mash must be fed in hoppers, a few ounces of grain may be scattered in the litter from the beginning.

A few years ago a prominent poultryman asked us to express an opinion on why two lots of chicks were picking toes while in two adjoining pens there was no toe picking or cannibalism of any kind. This man had one thousand chicks in each of the four pens. Cannibalism was rampant in pens one and three. In pens two and four there was none. The man explained that the rations were exactly the same in each pen and that other conditions, so far as he could determine, were exactly the same. On close observation, however, it became evident that the floor of the pens where the chicks were devouring each other was bare in spots and a very light covering of litter on the other places on the floor. The litter in the two pens where there was no cannibalism was about two inches deep. In this case it was not the ration that was at fault, but the fact that the chicks had nothing to do.

In starting your chicks off on a mash that is high in protein, you are following one of nature's laws. By feeding a mash in hoppers where chicks can pick it up without exercise you are obliged to violate one of nature's laws. It is a good scheme therefore, to offset this discrepancy by keeping the litter clean and by scattering a few ounces of scratch in the litter occasionally.

When chicks run out doors with the mother hen there are many things that nature provides that may be overlooked in making a ration for indoor feeding. Grit is not a part of the ordinary mash, therefore, some fine grit should be sprinkled on the mash or, better yet, in the litter on the floor. Green feed is one of nature's foods for chickens. Green feed does not grow in the brooder house, therefore, it must be carried in at frequent intervals. Some people who have no green feed in early spring are inclined to rely on the greens in the mash. This may furnish enough vitamin A but it does not furnish an approach to natural conditions. Some finely chopped green feed scattered on top of the mash or scattered in the litter will be found very helpful in preventing cannibalism. Some people use crisp yellow carrots and slice them into small particles with a vegetable slicer so that all chicks in the house may get a chance to get some of the carrots. This is an excellent situation for green feed. It will help, among other things, to prevent cannibalism.

There is another cause of cannibalism that is frequently overlooked. A dozen chicks with an old hen would be likely to have at least one drinking fountain. On the same basis one hundred chicks should have at least seven fountains or seven times as much drinking space. One thousand chicks would naturally need ten times as much drinking space as one hundred. The same is true of mash hoppers and other feed containers. I have known people to use three drinking fountains for one hundred day-old chicks and when they increased to five hundred chicks they added five fountains instead of multiplying by five. Each day-old chick needs at least one inch of eating space at the mash hoppers and at least one-fourth inch of drinking space at the drinking fountains. When less than this is provided some mischief is sure to develop.

Another case of cannibalism arises from the fact that some poultrymen fail to grow with their chicks. We have just said that a day-old chick needs at least one inch of eating space at the mash hopper. You should not forget, however, that a chick does not stay day-old very long. At eight weeks of age a chick weighs nearly thirteen times as much as they did when it was hatched. That means that it needs a lot more eating and drinking space and incidentally it needs at least thirteen times as much fresh air.

Many devices are used for controlling cannibalism after it is started. One of these is to darken the windows of the brooder house or laying house or paint them red. Another device that is sometimes used in the laying house is protection shields or head gears that makes it difficult for chickens to pick each other. All of these devices are good in an emergency but all of them indicate that the true causes of cannibalism have been overlooked and that the proper steps were not taken to prevent cannibalism. We have seen thousands of chickens raised in brooder houses without a single case of cannibalism either during the growing period or following this period in the laying house. The laws that make this possible with one flock will work with another. Cannibalism is not

a necessary evil. If your chickens are eating each other, blame yourself—not the chickens. There is something that could have been done to prevent this condition if you had acted in time.

CANNING SCHEDULE.

Canning schedule for the week of May 4 to May 9.

We will be canning asparagus on Monday, Tuesday, Wednesday and Friday from eight thirty to three thirty, and on Saturday from eight to twelve o'clock. We are now equipped to can both No. 2 and 2½ size cans the same day. Get your asparagus canning done early if you don't want to be disappointed, as many are going to quit cutting early.

HERMISTON CO-OP. CANNERY

Dances Discontinued.

Due to the approach of the busy season for members of the Stanfield Grange, announcement has been made that all dances will be discontinued until fall.

Mrs. L. F. Wooster, Sec.

Umatilla County Pomona Grange.

The Umatilla County Pomona Grange will meet in Myrick Hall Thursday, May 7, at which time the state master, lecturer and secretary will be present. These state dignitaries will give talks and instruction. Interesting numbers on the program will also be contributed by the various Granges.

Cooked Food Sale.

The Stanfield 4-H club members will hold a cooked food sale in Refvem's store Saturday, May 9th. Proceeds will apply on a scholarship to Corvallis in June to the 4-H club summer school.

WESTLAND GRANGE WILL MEET MONDAY, MAY 5TH

The regular Westland Grange will meet Monday, May 5, at the school house. Miss Frances Clinton, county home demonstration agent, and County Agent Walter Holt, will be the main speakers. Every member is urged to be present to bear these speakers.

At the party recently Mrs. Chas. Seeliger and Floyd Laird won prizes for having the most original and best kid costumes.

PLANS FOR FORMATION OF COOPERATIVE COUNCIL MADE

Plans for the formation of a cooperative council to embrace all of the local cooperatives were laid at a recent meeting held in the office of Assistant County Agent Sawyer.

The purpose of this organization is to promote a more unified effort among the various cooperatives to the end that all individual cooperators extend their buying or selling activities to all cooperatives.

According to tentative by-laws drawn up by a special committee, membership in the council will include the managers and directors of the local cooperatives, and meetings will be held quarterly.

Such an organization as this council, has long been talked of but this is the first actual step taken in that direction following its introduction by Assistant County Agent Sawyer.

Hermiston is known to be the most outstanding cooperative community in the northwest but local cooperative leaders still feel that a council such as is being formulated will help materially in building up the cooperatives and creating a cooperative-mindedness among the individual members.

The organization meeting of the council will be held in the basement room of the Hermiston library, Saturday evening, May 23rd, at 8:00 o'clock. All managers and directors are urged to be present.

CO-OP GLEANINGS

By E. H. Dunning.

"The failure of the farmer to organize cooperative marketing associations for his own protection and the protection of the consumer has left the door wide open for control of distribution by a few. It has permitted the taking of a toll from both producer and consumer, which along with the earnings from private control of natural resources, funds America in a position where comparatively few people control and own a major share of American wealth."

WANT ADS

GOOD PASTURE FOR CATTLE ON L. H. PEARSON ranch 1 mile North of Cold Springs reservoir. 34-2tp

PIANO IN STORAGE—EXCEPTIONAL bargain. Small size beautiful piano for some one in this vicinity. Terms given. Write Credit Dept., P. O. Box 75., Spokane, Wn. 35-4tp

FOR SALE—1 METAL BEDSTEAD and 1 link spring, 1 small range, Nellie Tucker, Hermiston. 33-3tp

YELLOW DENT SEED CORN FOR sale. Also grey mare, wt. 1600. Will have colt in about 4 weeks. F. W. Lenz, Hermiston. 36-3tp

FOR SALE—SURPLUS GOODS, LOW price. Model T engine on chassis, 3-horse farm engine, 3 and 4 inch concrete tile machine, new 32-volt washer, bedsteads and springs, furniture, cook stove, range, heaters, double harness, small tools, small hydraulic ram, spike tooth harrow. A. D. Smith, 7 miles southwest. 31-tfc

FOR SALE—FOUR HORSES, 7 Years old, 1,300 to 1,400 lbs. E. L. Smith, Lexington, Ore. 36-3tp

ORDER JUNE BABY TURKS NOW. Prices reduced. "Vigorbilt" Chicks in May and June are profit makers. "Vigorbilt" Hatchery, Hermiston, Oregon, Phone 661. 34-tfc

IN THE MARKET FOR WOOL AND hides. Will pay market prices, \$1 cash advance per fleece, with balance at shearing time. E. P. Dodd, Hermiston. 25-tfc

APARTMENT TO RENT—OSBORN Apartments. 36-1tc

FOR SALE—RECEIVE BIDS UNTIL May 10th on 1925 Ford coupe, \$65 extra fixtures; E. P. Illaley, Hermiston. 35-3tp

FOR SALE—PASTURE OF TAME grasses and clover for a few horses or cattle. A. D. Smith, 7 miles southwest. 35-tfc

ONE TEAM OF MULES FOR SALE or trade for cows. J. E. Berry, Umatilla. 36-1tc

HORNED RIMMED GLASSES ARE found. Inquire at Herald office and pay for this ad. 36-tfc

TWO ACRES CLOSE IN FOR SALE. 20 acres mile and a half out, for chickens. For rent—40 acres good corn ground, 7-room Yakima house for trade. Clear ranch in Missouri for trade and assume a mortgage. If you want to buy, sell, trade or rent, write or come and see E. P. Dodd, Herald Office. 35-tfc

FOR SALE—1 practically new Case Mower; 1 blower & anvil; 2 rolls new rabbit wire; 22 posts, lumber; 1 white gilt sow, farrow soon; 22 hens; household goods; 2 bedsteads and springs; 2 dressers; 1 library table; 1 sewing machine; 1 gas burner range; canned fruit, empty jars; 1 rocking chair; 4 straight backed chairs; 1 semi-trailer; Prices reasonable. See Mrs. V. R. Christopher, Stanfield, Ore. 36-ttc

FURNITURE FOR SALE—OSBORN Apartments. 36-1tc



THE HERMISTON HERALD

Notice of Land Sale.

NOTICE IS HEREBY GIVEN that the undersigned, Sheriff of Umatilla County, Oregon, by virtue of an order duly entered herein by the County Court of Umatilla County, Oregon, on the 10th day of April, 1936, will on the 23rd day of May, 1936, at the hour of ten o'clock in the forenoon, offer for sale to the highest bidder, for cash, subject to the minimum price of \$10.00, at the front door of the Umatilla County Court House, at Pendleton, Oregon, the following described parcel of land heretofore by Umatilla County, Oregon, acquired for delinquent taxes, to-wit:

Lots 7 and 8, Block D, First Addition to the City of Hermiston, Umatilla County, Oregon.
R. E. GOAD, Sheriff of Umatilla County, Oregon.
(April 23 - May 21)

Notice of Land Sale.

NOTICE IS HEREBY GIVEN that the undersigned, Sheriff of Umatilla County, Oregon, by virtue of an order duly entered herein by the County Court of Umatilla County, Oregon, on the 25th day of March, 1936, will on the 23rd day of May, 1936, at the hour of ten o'clock in the forenoon, offer for sale to the highest bidder for cash, subject to the minimum price of \$30.00, the hereinafter described parcels of land, heretofore by said Umatilla County, Oregon, acquired for delinquent taxes, to-wit:

Lots 23 and 24, Block 10, Subdivision Lot B, in Sec. 11, Twp. 4, N. R. 28, EWM., Umatilla County, Oregon.
R. E. GOAD, Sheriff of Umatilla County, Oregon.
(April 23 - May 21)

Notice of Land Sale.

NOTICE IS HEREBY GIVEN that the undersigned, Sheriff of Umatilla County, Oregon, by virtue of an order duly entered herein by the County Court of Umatilla County, Oregon, on the 18th day of April, 1936, will on the 23rd day of May, 1936, at the hour of ten o'clock in the forenoon, offer for sale, at the front door of the County Court House of Umatilla County, Oregon, in Pendleton, Oregon, to the highest bidder for cash, subject to the minimum price of \$140.00 therefor, the following described parcel of land, heretofore by Umatilla County, Oregon, acquired for delinquent taxes, to-wit:

E½ of NW¼ of NE¼ Sec. 20, Twp. 4, N. R. 28, EWM., Umatilla County, Oregon.
R. E. GOAD, Sheriff of Umatilla County, Oregon.
(April 23 - May 21)

Notice of Land Sale.

NOTICE IS HEREBY GIVEN that the undersigned, Sheriff of Umatilla County, Oregon, by virtue of an order duly entered and entered here-in by the County Court of Umatilla County, Oregon, on the 9th day of April, 1936, will on the 16th day of May, 1936, at the hour of ten o'clock in the forenoon of said day, offer for sale to the highest bidder for cash in hand, subject to the minimum prices hereinafter set forth, the following described parcels of land, heretofore by Umatilla County, Oregon, acquired for delinquent taxes to-wit:

PARCEL 1—
E½ of SE¼ of SW¼; E½ of SW¼ of SE¼; Tax No. 2, 94-512; N½ of SW¼ of SW¼; SW¼ of NW¼ (Less Tax No. 1 and 2, and less S½ of SW¼ of SW¼ of NW¼); E½ of SE¼ of SE¼; all in Section 12, Twp. 4, N. R. 29, EWM.

PARCEL 2—
NE¼ of NE¼ of NE¼ Section 11, Twp. 4, N. R. 29, EWM.
That the minimum price for which the said Parcel 1 may be sold shall be the sum of \$216.00, and the minimum price for which said Parcel 2 may be sold shall be the sum of \$10.00.

R. E. GOAD, Sheriff of Umatilla County, Oregon.
(April 16 - May 14)

Notice of Land Sale.

NOTICE IS HEREBY GIVEN, that the undersigned, Sheriff of Umatilla County, Oregon, by virtue of an order duly entered herein by the County Court of Umatilla County, Oregon, on the 23d day of March, 1936, will at the hour of ten o'clock in the forenoon on the 2d day of May, 1936, at the front door of the county court house of Umatilla County, Oregon, in Pendleton, Oregon, offer for sale to the highest bidder for cash, in one lot, subject to a minimum price of \$197.70 therefor, the following described parcels of land, heretofore by Umatilla County, Oregon, acquired for delinquent taxes, to-wit:

All that portion of the SE¼ of NE¼, NE¼ of SW¼ NW¼ of SW¼, and S½ of SW¼ of Section 9, Twp. 4, N. R. 29 EWM., in Umatilla County, Oregon, lying and being South of the Furnish Ditch.

R. E. GOAD, Sheriff of Umatilla County, Oregon.
(April 2 - 30)

Notice of Land Sale.

NOTICE IS HEREBY GIVEN that the undersigned, Sheriff of Umatilla County, Oregon, by virtue of an order duly made and entered here-in by the County Court of Umatilla County, Oregon, on the 31st day of March, 1936, will, at the hour of ten o'clock in the forenoon on the 2nd day of May, 1936, offer for sale to the highest bidder for cash in hand, subject to the minimum price of \$50.00 therefor, at the front door of the County Court House of Umatilla County, Oregon, in Pendleton, Oregon, the following described parcel of land heretofore by said Umatilla County, Oregon, acquired for delinquent taxes, to-wit:

S½ of SW¼ (less to U. S.) of Section 17, Twp. 5, N. R. 28, EWM., in Umatilla County, Oregon.

R. E. GOAD, Sheriff of Umatilla County, Oregon.
(April 2-30.)

Notice of Land Sale.

NOTICE IS HEREBY GIVEN that the undersigned, Sheriff of Umatilla County, Oregon, by virtue of an order duly made and entered here-in by the County Court of Umatilla County, Oregon, on the 31st day of March, 1936, will, on the 2nd day of May, 1936, at the hour of ten o'clock in the forenoon of said day, offer for sale at the front door of the county court house of Umatilla County, Oregon, at Pendleton, Oregon, to the highest bidder, for cash in hand, subject to the minimum price of \$40.00 therefor, the hereinafter described parcel of land, heretofore by Umatilla County, Oregon, acquired for delinquent taxes, to-wit:

SW¼ of SW¼, Sec. 1, Twp. 4, N. R. 28 EWM., Umatilla County, Oregon.

R. E. GOAD, Sheriff of Umatilla County, Oregon.
(April 2-30.)

SYLVANUS SMITH, JR.

Attorney-At-Law
Stanfield - Oregon

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All Kinds of Auto and Truck Insurance
Hermiston - Oregon

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Meets first and third Thursday. Legion Auxiliary meets second and fourth Thursday.
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W. J. WARNER

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Hermiston - Oregon

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MAY 1 - 2 - 4th Incl.

Baking Powder	CALUMET	18c
	POUND	
Flour	HARDWHEAT	\$1.43
	49 lb. sack	
Bacon Squares	LB.	25c
Crackers	SALTED or Graham	2 LB. BOX 26c
Corn	GOLDEN BANTAM	3 CANS 25c
Peas	FLAVOR KIST	CAN 10c
Tomatoes	LARGE CANS	CAN 10c
Peanut Butter	Sunny Jim	2 LBS. 25c
Shortening		4 LBS. 45c
Laundry Soap		10 BARS 25c
BROOMS	4-TIE EACH	49c

Hermiston Mercantile Co-operative
HERMISTON, OREGON