10 5-40 4



RANDOM SAMPLE TEST birds, including chicks from 11 states arrived in Lancaster County Saturday to be raised at the facilities of Miller & Bushong, R1 Washington Boro. There are 2,976 chicks being raised. They will be reared for 150 days and then moved to Harrisburg for the 350 day test. (LF Photo)

#### Steers Open Slow, Steady At Baltimore

BALTIMORE, May 5—
CATTLE AND CALVES Fed steers comprised approximately 75 per cent of the supply with the balance mostly cows Fed heifers were virtually absent from the run Around 150 head os stockers and feeders arriving last Friday were offered in today's trade Fed steers opened very slow, but closed moderately active Trading was uneven with prices steady to mostly 25 cents to 50 cents lower Heiters were nominally steady Cows were moderately active and about steady Bulls were moderately active and 50 cents higher with instances \$100 up Vealers were scarce and moved moderately active at steady prices Stocker and feeder steers and stock steer calves were active and fully steady. The bulk of 890 1260 lb average good to aver and choice feed steers sold from \$2750 \$29 50 with two lots mostly average choice \$29 65 and \$30 25 One lot higher standard and low good sold at \$20 50 \$27 50. I few head and small lots 644 968 lb low good to low-choice ied heifers ranged from \$25 00 \$28 00 Utility and commercial cows bulked at \$20 00 \$22 00 with a few at \$22 50 and a few standard \$23 00 Canners and actives sold largely from \$17 00 \$20 00 with a few light canners at \$15 00-\$17 00. Utility and commercial buils brought \$21 00-\$25 50 with two individuals at \$26 00 Choice 170 230 lb yealers brought \$31 00 and around three loads 516 599 lbs \$28 00 \$31 00 A load of 675 lb choice to fancy stock steers brought \$31 00 and around three loads 516 599 lbs \$28 00 \$31 00 A load of 466 lb mostly good stock steer calves sold at \$31 00 and around three loads 516 599 lbs \$28 00 \$31 00 A load of 466 lb mostly good stock steer calves sold at \$31 00 and around three loads 516 599 lbs \$28 00 \$31 00 A load of 466 lb mostly good stock steer calves sold at \$31 00 and around three loads 516 599 lbs \$28 00 \$31 00 A load of 466 lb mostly good stock steer calves sold at \$31 00 and one lot 473 lbs \$30 00 Good clearance all classes HOGS Butchers were active and fully 50 cents to mostly 75 cents higher on weights under 240 lbs with weights over 240 lbs abou BALTIMORE, May 5 -CATTLE AND CALVES Fed steers

# PSU's Electronic Computer Used To Figure Low-cost Broiler Feed

mill operators know how difficult it is to make a competitive animal feed these days It is fairly easy to make a feed mixture if you But, if you are trying to give the farmer the maximum feed value calculate the quantities of each to use for each change in price This is such a difficult problem that its precise solution was impractical until the development of the "electronic brain'

A few of the larger milling companies already employ electronic computers, such as Pennstac, the Penn State robot calculator Pennstac recently was put to use by R V. Bucher, Poultry Nutritionist, and R F Hutton, Agricultural Economist at the Agricultural Experiment Station, University Park, in solving the problem of making a low-cost broiler feed.

THE BIG JOB, these men remation ready to feed into Penn- number of ingredients considered port, is that of getting the inforstac. Results are obtained almost ean be increased easily. A new at once. But, every time a trial change is made in the ration, 23 simultaneous equations have to be solved.

Problems of this size have been

sold at \$22 00 and 32 head mostly No 3 277 lbs at \$21 00 A few mixed No. 1 to 3, 300-400 lb sows \$17 50 \$48 50 SHEEP A 27 head lot of 79 lb mostly choice spring slaughter lambs sold for \$29 00

Few people other than feed | solved by mathmeticians working with pencil and paper but this way of getting a solution is so slow that the answer would be out-of-date before it could be obtained. Besides, solving the probare not concerned with its cost lem this way is much more expensive than by a computer.

THE LOW-COST broiler feed per dollar, you must consider a design devised by Boucher and score or more of materials and Hutton had 22 specifications. These specifications provided for balanced amounts of all the factors needed for proper growth of broilers.

Twenty-six ingredients were considered in choosing a formula which demonstrates the method used. Of these, 12 were limited in the quantity used, included were such items as meat scrap, fish meal, dried milk products and tallow. Some requirements, as for vitamins, antibiotics, and minerals, can be met only from one source, thus, ingredients providing these amounts were added in fixed amounts.

In all, 18 items were added to the ration in fxed amounts. The formula will usually be indicated for each change in a ingredient price.

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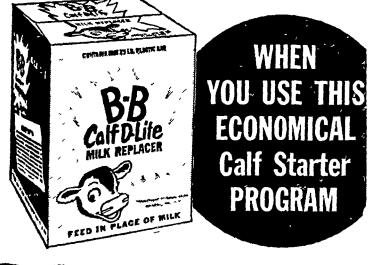
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# Chicken Chatter from GREIDER LEGHORN FARMS, Inc.



Mt. Joy OL 32455

#### Your Egg Washer Tells On You

Yes, take a good look at your egg washer. Do you see it as someone else would see it? Is it nice and bright and clean each evening, filled with fresh clean water, ready to go the next day? Or is it so coated and scummy that you can hardly see what it's made of? You know, when I see an egg washer that looks that way, I soon form my own opinion of the type of poultryman the owner is. And I've seen some that are filthy sights, some that look like they are filled with soup, probably the water hadn't been changed for a week, and then we expect people to eat more eggs. Actually, it takes only a few minutes each day to scrub the washer and change the water when you're finished with it. That is one chore that is never left undone on our farm. How about yours?

#### Mean Old Washer or Sissy Eggs?

Does your washer crack too many eggs Perhaps your washer is too rough, or more likely, you need eggs with better shells. I highly recommend Greider Super-Cross Layers They are proven hard shell layers, at Official Laying Tests, and in the field. Nothing lays them harder, except maybe a turtle. However, I cannot recommend that you fill your laying houses with turtles. Tinted eggs, you know?

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