lousing Effects Growth of Broilers, Tests Show

Do living quarters affect the growth rate and feed confor all groups. rate of broilers? Yes, to some extent, according to DA Enough so that it's a factor that shouldn't be overked in any critical test for the evaluation of broiler ck performance. But not enough to invite a near nerok personal for hundreds of broilers by intermingling age was slightly in favor of m Sex and source of stock play a more important role birds reared separately. The determining differences in growth and feed conversion weight disadvantage for the

form differently in in an- ing.

₁₀₁₁ effects) What are ject. ne of these possible differres? Whether or not houses e the sun, the kind of care bilds get, size and shape houses, the type of floorand many other similar tors can add up to give a se picture of genetic dif ences in birds

didn't exist, identical a'ion effects

the picture for supervisors each test to use single pens becomes noticeable through random sample tests and and evaluate more stock at breeding research one time without worrying who have wondered if about the accuracy of the ck raised in 1 pen would test due to variations in hous-

Tests to measure any difrelical evaluation of broil- ferences in growth rate and separately reared broilers performance requires feed conversion due to locatperiodinate to location and to evaluate separate of genetic differences and interming ed rearing of ween stocks,-without intro- broiler stock were conducted difference could be traced to bing additional differences as part of the Southern Reg-location At 9 weeks, meane scientists call them lo- ional Poultry Breeding Pro-

Each of 10 commercial teraction of location broiler stock breeders pro- source, and highly meaning-100 males and 100 females same source will perform fects must be considered If these location or pen ef- with a similar number of the same sex from the same rearing advantageous from a ts did exist in certain fa- chickens from each of the sources will perform differ- standpoint of eliminating lotics, researchers and su- other 9 sources Two identi- ently in different locations. ryisors reasoned, it would cal houses of 20 pens each all

Bulk body weights by sex and source were taken at 8 weeks of age and individual body weights at 9 weeks. Fe. Farm Women No. 7 ed consumption was recorded at 8 and 9 weeks of age. Mortality records were kept

At 8 weeks, intermingled birds weighed slightly more than those reared separately. But at 9 weeks, the advantmixed group may have been his information nelps fill it would then be possible in due to social tension, which age. Tensions would normal-members telling an ly be greater when birds from several sources are reared together.

> When body weigh data for was analyzed, substantial differences for source and sex showed up, but no real ingful differences in body weight could be traced to inand vided enough eggs to supply ful differences were traced 800 chicks — a total of 8,000 to the interaction of location, arately and if care is taken Chicks from each source we- source, and sex This indi- to maintain uniform housing re divided into 4 groups of cates that broilers from the conditions. But location efeach Three of these groups differently in some locations when birds are intermingled. were reared intermingled than in others. Even birds of

en be necessary to repeat were used Feed, water space feed conversion due to source sion data is needed. Such da $t_{
m samplings}$ However, if and equipment werc kept of the broilers, none due to ta can't be obtained with inpens. location And this was true termingled rearing.

Hear Miss Kirstein

Miss Nita Kirstein, an exchange student from Germany, gave an interesting and informative talk about the German school system at the April 9 meeting of the Society of Farm Women No.

Hostess was Mrs. Samuel Wenger, of Leaman Place, While Mrs. Milton Esbenshade was co hostess.

Devotions were in charge of Miss Sally Wenger and males at about 8 weeks of roll call was answered by Fashioned Remedy".

> even though all the stock tested was from commercial broiler stock breeders and did not differ as much in growth rate as would be expected if non-commercial or dual purpose stock had been included

> The scientists concluded that under their conditions, location or pen effects aren't important if chicks from a given source are reared sep-

Thus, not only is separate cation effects, it's also pre-Differences were found in ferable where feed conver-

The society voted a tribution of \$10.00 to the Children's Fund Crippled and a collection totaling \$17, was taken for the Cancer Society Fund.

The next meeting, a food sale with donations being received for Christ's Home will be held at the home of Mrs. Clyde Benedict in Kinzers on May 9.



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-22 Jacob K. Mast-potato farmer, grower of fine Angus and Hereford beef cattle. school board officer and song leader in the Mennonite church.

in the Pennsylvania Dutch tradition, dot this picand well maintained barn on the Mast farm in Penn-"Garden Spot of the World".

loga Meadow Farm in the Pennsylvania Dutch near Morgantown, Pa., is blessed by good that bountifully provides for its devout, hard-

ood year, the fertile, gently rolling land yields as as 700 bushels of top quality potatoes per acre. K. Mast and his son, Paul, put 65 to 100 acres otatoes every Spring. Last year, something new ied A DITHANE M-22 (maneb) fungicide spray m was used exclusively to guard against potato From every source came assurance that this wise move.

sh the Summer, things looked fine. The vines green and healthy. No blight appeared. Harvest

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time rolled around, and only then did "Jake" Mast have the answer for sure.

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