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## O. A. C. SHORT COURSES

BEGIN JAN. 3, CONTINUE FOUR WEEKS

YOU  
ARE  
INVITED

Every citizen of Oregon is cordially invited to attend the short courses of the Oregon Agricultural College, beginning Jan. 3. Eleven distinctive courses will be offered in Agriculture, Mechanic Arts, Domestic Science and Art, Commerce, Forestry and Music. Every course is designed to HELP the student in his daily work. Make this a pleasant and profitable winter outing. No tuition. Reasonable accommodations. For beautiful illustrated bulletin, address  
H. N. TENNANT, Registrar, Corvallis, Ore.

## B. P. Rocks?

Yes, we have them, the winter laying kind. Cockerels, \$2.00 Each.

Intervale Poultry Farm

RAY TARBELL,  
Yankton, Ore.

## REEVE'S PHOTO STUDIO

The Photo Studio in the Dr. Montgomery building on Willamette street, between Houlton and St. Helens, about six blocks from the Court House, is now open for business. I kindly solicit the patronage of the people of this section of the county when in need of any photo work.

S. REEVES

The Fish Department at Harrison's Pure  
Food Grocery is a "Cracker Jack"



Stock Fish, Salt Herring [2 kinds]  
Codfish in strips and Boneless  
Blocks, Kippered Herring and  
Haddock and Mackerel; Bloaters,  
in fact everything in canned  
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One individual glass jelly dish  
given away FREE with each 10c  
package of Jelly Powder this week.  
Nine flavors. The best and most  
complete stock of groceries is to  
be found here.

## Notes from O. A. C.

"Farm horses as a general rule are fed entirely too much hay," says the Oregon Agricultural College Experiment League's latest bulletin to the 100 members who are to test the efficiency of a system of feeding suggested by the department of animal husbandry.

"This is a positive injury to the animal, and often lessens to a considerable degree his working efficiency. It should be remembered that every time a horse inflates his lungs, the stomach is displaced, and if this organ be kept constantly full of bulky food it imposes extra work upon the respiratory system. Heaves, so common among farm horses, is almost wholly due to feeding too large quantities of hay. Colic and other forms of indigestion are often due to feeding too large of bulky food. Aside from its physical injury to the horse, the excessive amounts of hay is a waste that should be conserved.

"A horse weighing 1,000 lbs. will do more and keep in better health on 15 lbs. of hay per day than he will on 20 lbs. per day. In fact, 15 lbs. of hay per day is sufficient bulky food for a horse of that size. A horse weighing 1,500 lbs. to 1,800 lbs. does not need more than 20 lbs. of hay per day. The balance of his nutrients should be in the form of grain. "Feed the 1,000 lbs. horse 10 lbs. of good hay at night and 5 lbs. in the morning and he will perform more labor with greater ease than he would if kept before him all the while.

"The purpose of the experiment is to cause horse owners to observe more closely the advantages of feeding less hay. If two or more teams are maintained upon the farm, feed one team as suggested and the other the usual way and note carefully the result. In making the test, however

size, age and individuality as nearly equal as possible. Whenever practicable weigh rather than guess the amount of hay fed."

Two hens at the experiment station of the Oregon Agricultural College now hold the U. S. championship for the highest number of eggs laid in a year. Each produced 259 eggs, tying for championship. No other experiment station in the country has ever been able to raise a hen with a record the equal of this. Heretofore the best that could be done was the record of 251 eggs, laid by a bird in the flock of the Maine experiment station some years ago. An unofficial record from a private breeder shows 255 eggs some years since, but even this is beaten by the Oregon hens.

One of the birds is a Plymouth Rock, and the other a cross between a Plymouth Rock and a Leghorn. The Plymouth Rock laid 27 eggs in the month of October. The cross did not run so high in individual months but she was more consistent, laying over 20 eggs every month except March.

"This is a matter of breeding, feeding and care," said Prof. James Dryden, poultry expert for the experiment station tonight. "In the same pen with the record Plymouth Rock hen we had one which laid but 6 eggs although she was of the same breed, and received the same care and feed. The trouble was in heredity. She was a poor individual. When we have finished figuring up the records of all the hens in this test we will have some very interesting data for publication in a new bulletin of the experiment station."

FOR SALE—A span of horses weighing about 1100 pounds each; also heavy harness and wagon. Also a spring wagon in good condition.

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