**Breeders** in Move to Improve Stock

## Marked Interest Evinced in Idea Throughout the Nation.

With the steady increase in the number of enrollments in the "Better Sires-Better Stock" campaign, sponsored by the United States Department of Agriculture for the improvement of domestic live stock, there is also developing a widespread interest in improved female stock. This is brought out in a report covering nearly 12 years. Within this period 17,555 stock owners definitely signified their intention to use only pure-bred sires for all their live stock.

The report shows that these persons own nearly 2,000,000 head of breeding stock, both male and female. All the males are pure bred, but the females, as listed on the enrollment blanks, are classified as pure bred, cross bred, grade, or scrub. The campaign is intended principally to encourage the use of pure-bred sires, but it is noteworthy that for every pure-bred sire owned by the participants-including all kinds of live stock, except poultry-there are 6 pure-bred females, 2 cross-bred females, 9 grade females, and 0.4 scrub females. Department specialists point out that these ratios indicate noteworthy live stock improvement. The ratio of 6 pure-bred females to every pure-bred sire is convincing evidence that persons who begin to improve their live stock by introducing purebred male breeding animals soon acquire pure-bred females as well. In the case of poultry the ratio is still higher, being 14 pure-bred females for each pure-bred male.

The report shows also a list of 44 counties, each of which has more than 100 participants in the "Better Sires -Better Stock" campaign.

A new development in the campaign is a simplified form of enrollment blank which will eliminate henceforth the necessity of listing breeding stock. The new blank is less complex in other respects also and has been designed particularly for the convenience of busy county agents and other extension workers engaged in live stock improvement activities. It carries illustrations of the certificate and barn sign which the department grants to pure-bred-sire users.

The blank likewise provides a space in which stock owners may request current publications on animal breeding. The report shows the progress of the campaign up to July 1, 1931, and is available to interested stockmen, county agents, and live stock officials.

# Assist Horse to Shed

# Specialists Tell of **Improved** Pop Corn

Variety Pops to Twenty-Six Times Its Volume.

Pop corn specialists have surpassed the record of two blades of grass for one. Through selection, they have produced a new strain which pops to 26 times its volume.

The new strain, a yellow pearl pop corn named Sunburst, was produced during a seven-year period by agronomists of the United States Department of Agriculture in co-operation with the Kansas agricultural experiment station.

The produced the new strain by testing ears of pop corn and retaining for seed the ones which gave the greatest volume of popped corn. The test consisted of popping a sample of the seed from each of the selected ears and measuring the volume of the resulting popped corn. Each sample was also tasted for flavor and texture. The remainder of the seed on the good ears was kept and planted the following year. The process was then re-

peated. Although the testing was a long job. it proved worth the effort in producing better popping corn. It took one man a day to test from 60 to 75 ears of corn. However, the new strain showed an average of 26 times the volume of the seed when popped, while Queen Golden , the variety from which Sunburst was developed, gives slightly more than 19 times the volume of the grain

Such careful selection of seed, while not practical for the small grower, has possibilities for the commercial grower of pop corn seed, declare the agronomists who made the Kansas test.

## Calves Need Grain for Most Profitable Gains

Beef calves that are turned out to run with their dams on pasture need grain in addition to their mother's milk and grass if they are to be quickly fattened into profitable "baby beeves," according to W. B. Young. of the animal husbandry department, College of Agriculture, University of Illinois. They should be taught to eat grain before they are turned out so that they may be fed in a "creep" while running with their dams, he said.

Getting them started on grain before they are turned out can be done easily by feeding the cow in a low trough or box on the floor so that the calf may nose around and find out what his mother is eating. Another method which may be used to save time and labor with several calves is to fix one large stall or pen into which all the calves may be run.

The grain should be put in some kind of a feed trough low enough so that the calves can easily see into it and get their noses in. A mixture of equal parts of cracked corn and ground oats used at the rate of six or eight parts, by measure, to one part of linseed or cottonseed meal, is a good one to feed.

## THE CENTRE REPORTER, CENTRE HALL, PA.

#### **DIG UP CEMETERY** with a plain inscription giving merely the name and age of the deceased. OF ROMAN EMPIRE One door found in place, shows that

Important.

A workmen's cemetery, dating

from the second and third centuries

of the Roman empire, has been un-

earthed near Ostia, the ancient sea-

port of Rome, and will throw much

light on the customs and life of the

During the construction of roads

In the Ostia section workmen came

upon a vaulted roof which revealed

the existence of tombs. Systematic

excavation led to the discovery of a

The ancient cemetery, occupying a

lower classes of that period.

veritable "City of the Dead."

ed Press dispatch.

for their burial grounds.

the entrance to the cells was closed by a solid piece of wood, lined with Recent Discovery in Ostia Is a sheet of lead, turning upon hinges like modern doors. The interior walls held niches

which received the ashes of slaves and poorer people and are embellished with mural paintings not unlike those found at Pompeli, and 'depicting mythological subjects. The necropolis was probably

abandoned when the port of Ostia fell into disuse, and the tombs were soon buried by sand carried over by sea winds, which explains why no trace remained.

### **Three Party Divisions** Had Name "Republican"

triangular portion of land known as The name Republican has been apthe Isola Sacra (Sacred Island), is plied to three parties, a fact which enclosed within two arms of the gives rise to confusion. The Repub-River Tiber and the sea, says a Unitlican party of today originated in The island was called the "Para-1854-56, after the dissolution of the Whig party. The southern Whig dise of Venus," according to hiswent over to the Democratic party torians, and later the "Sacred Island" for some undefinable reason. on the slavery question and the northern Whigs affiliated with the It was donated by Emperor Constan-Free Soil and Know-Nothing parties. tine to the church of the Holy At a meeting held at Ripon, Wis., in Apostles in Rome and this was be 1854, a group of Whigs, Free Soilers lieved to be the origin of the name. Recent unexpected finds, however, and Democrats threatened to form give rise to the theory that its lat- a new party if the Kansas-Nebraska ter name was given because the in- bill passed. The bill passed, and on July G. 1854, representatives of the

habitants of the port had set it aside same groups met at Jackson, Mich., and formed a party to which they The 20 tombs unearthed are of gave the name Republican. In the artistic as well as archeological inelection that fall, the new party carterest. Although it cannot be expecried 15 of the 31 states. The Demted that they will reveal such treasocratic party as now known began ures as would have adorned the burwith the Anti-Federalists, who opial place of the wealthier classes, the posed the federal Constitution bearchitecture and decorations display cause of the rights surrendered by a certain inborn sense of art. the states to the federal govern-The tombs rise in groups of five

ment. In 1792, it took the name Reor six. Around the larger structures are found burial places, dome-shaped, publican party to oppose the Federlike the sepulchers of the Moham- alist party. It was later sometimes medans, known as "marabutti." All known as the Democratic-Republican party, which name is still the official are built of bricks arranged with the same astonishing skill that was designation of the Democratic party. characteristic of the great architec- After its principles were clearly tural feats of the epoch of Emperor formulated in 1798 by Thomas Jefferson, it was sometimes called Demo-Trajan, such as the colosseum, the Trajan forum, the markets, etc. On the outside is a marble tablet til Andrew Jackson's administration, Colo., W. H. Weilington, a veteran

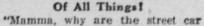
## which began in 1829. He was the first President to be officially listed under the name Democrat.

The Modern Girls If things go on like this, there will

#### soon be either nothing left we can't L'Illustre. mention in polite society or no polite society left in which we can't mention it. Nowadays, its is almost as difficult to believe that girls ever blushed as that they ever swooned. Which reminds me of a colonial friend who went to a dinner party and found himself next to a strange young lady with whom it was his duty to make polite conversation.

As we walked home afterward, I asked him how he got on with his neighbor and what she was like. 'Oh," he answered, "she was splendid-simply splendid. Completely frank and straightforward and really-well, you know, ready to talk about absolutely anything; in fact," he added, confidentially, "between you and me, I couldn't get her to talk

Could you sum it up better than that?-Aitcheff in the London Globe.



men on strike?" "Because they want more money, my dear."

"Want more money? But they ride all day on the cars for nothing!"-

No Sporting Spirit at All Mother-Now, children, don't quar-

rel. What's the matter? Harold-We're playin' shipwreck, an' May won't go into the bathroom

an' drown herself .- Stray Stories.



lved in one-half pint witch hazel. At drug TEACHERS WANTED

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The carrying of the mails has progressed so rapidly in late years that the airplane now speeds across the of the time required by trains of a progress there is one mail route which goes on unchanged in the 36 cratic, but generally Republican, un- years of its operation. In Edwards,

of the mail service, has the contract for transporting the mail from the post office to the railroad station, and thrice daily for 36 years he has country with mail in only a fraction driven the mail back and forth in a buckboard wagon drawn by a jack few years ago, yet in spite of all the mule. His is believed to be the only jack-powered conveyance in the federal mail service.

We all live too much in a circle.



about anything else."

Your Children! GUARD their tender skins by using Cuticura Soap regularly from the day of birth.

Assist with the Ointment, if

Jack Mail Route

Coat by Clipping Him No animal is in normal condition while shedding-and it is unfortunate that so much heavy field work comes right at the time the horse must shed. This period is hastened and passed over with no lessening in the efficiency of the horse if the owner takes an hour in the spring to clip him. Imagine yourself doing a heavy job in warm weather and wearing your overcoat! Yet that is no more than the farmer expects of his horse when he puts him to the plow and harrow while still wearing the cold weather blanket of hair.

But the horse isn't the only beneficiary. He'll pay for his clip with more work. He can be cleaned in half the time-and a more thorough job of cleaning done. The clipped horse assimilates his food better-and that means he requires less feed. He rests better and his actions show he feels better.

## Steer Classes Unchanged

The plan to classify steer competition at the international live stock exposition by weight rather than by age has been temporarily abandoned, according to Secretary B. H. Heide. The classification by ages will be maintained at the 1931 exposition as in the past. Purchases of prospective show animals by exhibitors prior to the suggested change and the granting of appropriation by breed associations on the present basis are the reasons for not making any change this year. This year's show will be held November 28 to December 5.

### Fall Pigs

In order to make good gains on the fall pigs and to bring them through the winter months in a thrifty condition, they need to be given a good start. Strong, vigorous young pigs are well on their way towards making profits for their owners next spring. They should not be weaned until eight or ten weeks of age. Also, if they are trained to eat grain in a creep away from the sow, they will lose little flesh at weaning time. Keep the beds dry and provide well-ventilated quarters free from drafts. Dry feeding is better in winter than slop.

Seed in Fall for Lawn

There will be fewer anxious moments about the fate of the new lawn if it is seeded in the fall with the coming of fall rains, says S. W. Decker, of the floricultural division at the University of Illinois. Early fall seeding gives time to make a good, deep root growth and be ready to withstand the winter. Late fall seeding after October 10, is not recommended, as the alternate freezing and thawing will heave the shallow-rooted plants and they will disappear.

## Handy Grain Bin Boards

Boards in grain bin doorways slide up and down easily when arranged according to the plan used by John P. Becker of Bridgewater township, Rice county, Minn. As explained by Harry Hass, Rice county agent, Mr. Becker fits his boards so that they lie slanting instead of horizontal. Mr. Becker cuts his bottom board about 2 inches wide on the left end and 6 inches on the right end to give the proper slope. The other boards are then added, one after another, with their ends cut at the proper angles to fit the groove. All of the boards slant up from left to right, and by lifting the right end of each board they come out very easily. Mr. Becker says this idea saves him much time and annoyance.

## **Teach** Terracing

Terracing equipment is being purchased by rural school districts in Pottawatomie county, Oklahoma, to be used by classes in agriculture in the schools and by farmers in the neighborhood. The county agent and superintendent of schools co-operated in the county-wide terracing program and a majority of the districts purchased equipment. In one district eight farms were terraced and seven were drained. In another district nearly every farm had used the equipment before the school year was ver. Farmers there built five and one-quarter miles of drainage ditches and terraced 184 acres.-Capper's Farmer.

## Agricultural Notes

Watch the nests and see that they contain enough litter so that the eggs will not be broken in the nest. . . .

In the Middle West soy bean hay as a substitute for alfalfa has worked well in wintering ewes with lamb. . . .

It is estimated that the American farmer is at least four times as efficient as any other farmer in the world.

The United States bureau of blological survey estimates the average hawk or owl to be worth \$20 a year to farmers. They prey on insects and rodents.

. . . July and August cultivation in the orchard extends the growth period and prevents the fruit from taking on the best color. . . .

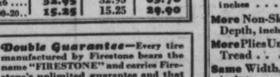
Careless handling in picking, grading, or packing is responsible for much cheap fruit. A bruise is never repaired.

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