

RIGHT CARE FOR DAIRY ANIMALS

Sire Should Not Be Allowed to Run With Herd, but Given Chance to Exercise.

IDEAL RATION IS SUGGESTED

Calves Should Remain With Dam for One or Two Days and Be Kept in Dry Clean Stall for Month—Grain for Heifer.

The following suggestions on the care and feeding of dairy cattle are made by the dairy division of Clemson college.

- The Herd Sire.**
1. Do not let the bull run with the herd.
 2. Give plenty of exercise. Free run of open lot is best.
 3. Feed little or noilage.
 4. Feed no cottonseed meal.
 5. Feed legume hays—alfalfa, clover and peavine.
 6. A good grain ration of equal parts by weight of ground corn, ground oats and wheat bran is an ideal ration for a herd sire. Feed enough of this ration to keep the animal in good thrifty condition.

- Feeding Dairy Calves.**
1. Leave with dam one or two days.
 2. Feed one quart of the mother's milk three times per day for first week.
 3. Increase whole milk after first week from eight to fourteen pounds, depending on size of calf.
 4. After four to six weeks, start substituting skim milk. Take one week to make the entire change.
 5. Feed twelve to sixteen pounds of milk per day until six months old, if possible.
 6. Keep calves in dry, clean stalls until a month old.
 7. Start feeding grain and hay when three weeks old.
 8. A good grain ration is equal parts by weight of whole corn and whole oats. Feed all grain and hay they



"Admiral Vale," Grand Champion Holstein.

will clean up. It is best to feed grass hay until four months old, as legume hays have a scouring effect on the calf.

9. Feed noilage until six months of age.
10. Keep off of pasture until at least three months of age.
11. Supply plenty of clean drinking water at all times.
12. Provide salt as soon as the calf starts eating hay or grain.
13. Scours are due to overfeeding, irregular feeding, feeding cold milk, sour milk, dirty milk, unsanitary pails.
14. When milk is not available after calf is six weeks old, the following mixture may be used as a milk substitute.

Insect oil meal, hominy feed, red dog flour, dry blood—one pound of the mixture to eight pounds of water for the six-week-old calf.

- Feeding the Growing Heifer.**
1. Feed two to three pounds of grain daily. A good grain ration is equal parts corn, oats, and bran, or two parts corn and one part oats.
 2. Feed six to eight pounds of legume hay when not on pasture.
 3. Feed all the silage the heifer will clean up. If no silage is available, increase hay and add a pound or more of grain per day to keep in good thrifty growing condition.
 4. No pasture alone is sufficient for heifers under one year old.
 5. Keep heifers growing continuously.
 6. Feed one tablespoonful of ground limestone in grain mixture to heifers under breeding age.

SELECTING BREEDING GILTS

Good Depth of Body in Forequarters Means Vitality and Promote Brood Sows.

In selecting gilts, besides the usual requirements for a good hog, the deep-bodied animal is the best. Good depth of body in the forequarters means vitality and strong heart and lung action. They are not quite so cheaply fattened as those with a well-sprung rib, but there will be more profit in them. A slightly slabby appearance is proper in gilts if they are to become really profitable as brood sows.

Keep a Poultry Record. How many folks who raise poultry know what their flocks are actually doing? Only a few—yet it is essential to true success in any business that accurate records be kept, so that results may be checked in several different directions.

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A Strike Result



Coal shortage with high prices, as result of the strike, have driven the poor to the ash barrels of the more fortunate to "pick" their coal.

PEACOCK PIE FOR CHRISTMAS

Gaily Plumed Bird Formerly One of the Principal Delicacies at Yuletide Feasts.

HICKEN pie, beefsteak pie, and pumpkin pie, not forgetting apple pie and cheese, the great American institution—all of these have a familiar ring to our ears, but who of us has ever tasted the famous English dainty of dainties, peacock pie? Yet at one time, this was a favorite Christmas dish which was brought in with a great deal of ceremony by the lady, most distinguished in all the company for beauty and high position. Many times this dish was garnished with the head and tail of the peacock in such a way as to appear that the bird was alive. Knights made vows over it to break spear in defense of beauty and distress. It was this ceremony which gave rise to the once popular oath "by cock and pie."

Probably the use of the peacock pie as a Christmas dish arose from the old belief that the flesh of the peacock is incorruptible which of course would make it a symbol of immortality and new life. To the people of today the peacock is a symbol of vanity.

"Plastic Wood" is New Product.

A new product, made by colloidal processes and just put on the English market, is announced by the Chemical Age. The interesting thing about this product is that it may be used to repair broken or worn wood on articles. A pattern is made of the article and the plastic wood is filled into the mold and allowed to set hard.

This takes but a few hours, and the product obtained is said to be extremely hard and possessed of all the characteristics of wood except that it will not absorb moisture as wood does. The hard plastic wood can be worked with the usual carpenter tools, and nails, screws, etc., can be driven into it without fear of splitting.

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UNIVERSITY SCIENTIST VISITS MARQUESAS ISLE

Prof. F. L. Washburn Transfers His Base From Tahiti to Island of Hiva-oo

Prof. F. L. Washburn, University of Minnesota entomologist, who was granted leave of absence last fall to collect insects in the islands of the South Pacific, has transferred his base from Tahiti of the Society group to the island of Hiva-oo in the Marquesas. The trip between the isles was made in a small schooner and took nine days, which was unusually quick time, Professor Washburn writes.

The University facultyman has already made a goodly collection of insects which will be placed on his return in the cabinets at the University farm. He has also stuffed various birds for the museum of the Farm. Of mammals, there is none indigenous on the island.

Professor Washburn has established headquarters in a vacant school which is partitioned, he says by fronds of cocoanut trees woven by native women. "The Marquesas isles are magnificent," he writes. "Tahiti is nothing in comparison. Magnificent mountains clad in tropic green with their summits in the clouds and their bases fringed with palms and bananas, and all about the blue sea white-capped by the trade winds. But the native life is pitiable, death to any ambition, monotonous, common-place and filthy."

MURDER ROUSES ALL CANADA



The mysterious and unavenged murder of Blanche Garneau at Quebec is the talk of Canada and has fanned into new flame the discord between the French and British in the Province of Quebec.

Russia's Portion at Lausanne



Nerve Unbroken When Sentenced to Death



With a calm and almost jaunty air, these six former leaders in the Greek government listened to the sentence which sent five to death before a firing squad and one to penal servitude for life. Left to right, they are Baltazas, former minister of foreign affairs; General Stratigos, minister of communications; M. Gounaris, former premier; Stratos, minister of the interior; Theotokis, former minister of war; and Protopoulos, former premier. General Stratigos escaped death and received life imprisonment.

TODAY'S EVENTS

Today begins the last week for your Christmas shopping.

The Protestant Episcopal diocese of Springfield, Illinois is 45 years old today. Former President and Mrs. Woodrow Wilson today observe their seventh wedding anniversary.

An International Congress on Health Education meets in Paris today, to continue the session throughout the week.

The American Radio Exposition, for which preparations have been making for nearly a year, will be opened today in New York City.

PROFITABLE TO RAISE DUCKS

Fowls Mature Rapidly and Are Ready for Market at Ten or Eleven Weeks of Age.

One of the best sources of profit in poultry raising, particularly where market poultry is concerned, is in the raising of ducks. They mature very rapidly and are generally ready for market at ten or eleven weeks of age. If intended for market purposes. For breeders they bring good prices if matured and held over until the breeding season.

TODAY'S ANNIVERSARIES

1619—Prince Rupert of the Rhine, known in history as the "Mad Cavalier" born at Prague. Died in England, Nov. 29, 1682.

1776—The Constitution of the state of North Carolina was adopted. 1812—Jesse D. Bright, the Indiana senator was expelled from the senate for alleged disloyalty, he

was born in Chenago county, N. Y. Died May 20, 1875.

1820—The Alabama legislature passed an act to establish a state university.

1835—Lymann Abbott, noted clergyman and editor, born in Roxbury, Mass. Died in New York city October 22, 1922.

1865—Secretary Seward declared the Thirteenth Amendment, ab-

olishing slavery, ratified by the required number in the senate. 1892—Sir Richard Owen the famous British naturalist died. Born on July 20, 1804.

1915—German cruiser Bremen reported sunk in the Baltic by a British submarine.

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Make This A Furniture Christmas!

DURING OUR CLOSE OUT SALE PRICES ARE ASTONISHINGLY LOW

Can you think of a gift that will carry deeper meaning than Furniture? Years of usage will not wear away its enduring charm. And this kind of giving—Sensible Giving—costs no more. Visit our display and see how wide a range you have to choose from—the piece and price for every occasion. Below we name a few of our Splendid Values.

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- Couch covers
- Card tables
- Globe-Wernicke Book cases
- Library tables
- Sewing tables
- Pillows
- Rugs
- Dining room tables and Chairs
- Leonard Refrigerators
- Childs Rockers
- Dressing table benches
- Magazine racks
- Book Cases
- Hall Chairs
- Leather Rockers

OUR CUT GLASS AND CHINA WARE DEPARTMENT—A REVELATION

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