

DAIRY FACTS

EXPERIMENTS IN CATTLE FEEDING

Need Mineral Supplements With Poor Roughage.

When poor roughage is fed to dairy cows mineral supplements are shown to be necessary in a recent publication of the Wisconsin experiment station. Three cows fed on timothy hay, corn silage and a grain mixture were poor producers of milk. In addition they were slow to breed and when bred they tended to dry up from six weeks to two months earlier than three cows fed on alfalfa hay.

Another test on minerals showed that cows producing from 50 to 60 pounds of milk daily without direct exposure to sunlight were unable to maintain a calcium balance in their bodies even though the ration was otherwise adequate. When the cows were exposed to sunlight for six hours daily they decreased the loss of calcium from their bodies by 25 per cent.

In a comparison of soy bean hay versus alfalfa hay the cows produced approximately the same amount of butterfat and milk but the cows on soy bean hay gained only half as much body weight and wasted more of their hay. The results of this test, which does not check with tests run at some other stations, shows that soy bean hay was calculated to be worth 73 per cent as much as alfalfa hay.

In this connection it is interesting to note some experiments that were conducted in chopping alfalfa and soy bean hay. No advantage was noted in chopping alfalfa, but the cows wasted less of the soy bean hay. This caused the chopping to improve the value of soy bean hay by 23 per cent. These figures indicate that it may prove profitable to chop soy bean hay when used for feeding dairy cattle.

Modern Dairy Barn Must Have Good Ventilation

It must not be forgotten that each cow in the stable actually gives off from her breath alone about ten pounds of carbon dioxide per day and over two gallons of water. Hence, it is perfectly obvious that in the modern dairy stable there must be some system whereby this used, moist, foul air may be regularly taken out of the stable and replaced by fresh air. During the winter months, the occasional opening of doors and windows will help but how often is this done during winter months, and needless to say it is never done during the night.

King and other authorities on stable ventilation have estimated that there should be a continual air flow through the stable at the rate of about 3,600 cubic feet per cow per hour. In other words, in a cow stable 36 feet by 50 feet with an 8-foot ceiling, there should be a sufficient flow of air so that one-quarter of the air would be replaced every hour or that the air be completely changed in the stable six times per day. If this were done by the opening of doors and windows, the resulting changes of temperatures, chills to the animals, etc., would obviously be courting disaster. Hence, a regular system whereby such a change of air will go on continuously and still allow the maintenance of uniform heat conditions, should be the ambition of every one installing a ventilation system.

Well Bred Calves Most Valuable Dairy Asset

Calves from low producing stock are worth little more than their value for veal, but those from high producing strains must be assigned much greater valuation, as they command excellent prices as breeding stock.

In the keeping of high producing animals there are, of course, added expenses such as increased depreciation and risk, increased labor in caring for the animals, and expenses of advertising and selling; but it will generally be found that the value of the calves produced from such stock will more than offset the added expense of raising them over and above that involved in the keeping of common stock.

Cold Hampers Cow

A high producing dairy cow cannot continue normal production if she is exposed to severe weather. It is, therefore, important if good yields are expected to hold up through the cold months, that all discomforts be eliminated. A comfortable cow will more than repay for added labor for her protection. Milk is 87 per cent water, and a large part of this gets into the animal's system from the water trough.

Quarters for Cows

In addition to proper feeding, dairy cows will need good quarters if they are to produce maximum returns for their owners. Dairy cows do not have long hair or surplus fat to protect them from cold weather. They are more sensitive to cold winds, drafts and poor quarters than any other kind of farm live stock, unless it is the poultry. Warmth, comfort, ventilation and sanitation should receive consideration in fixing up the dairy barns or sheds for the winter months.

KUNKLE

Mrs. Harry oll, of Evans Falls, visited her parents, Mr. and Mrs. Wheeler Herdman on Friday last.

Mrs. Joseph Shoemaker has been quite ill this week with the prevailing la grippe.

Mrs. Kiler Richards spent Sunday with Mr. and Mrs. Palmer Updyke.

Mr. and Mrs. William Brace and children and Mrs. C. W. Kunkle spent Thursday evening of last week with Mr. and Mrs. Warden Kunkle and Mrs. Elizabeth Kunkle.

Russell Sayre and Donald Hummel enlisted in the U. S. Army and left for a camp in Maryland on Friday night. Adam Klimavicz also enlisted and left for camp some time ago.

Mr. and Mrs. Victor Rydd spent Sunday with Mr. and Mrs. Dennis Brislin of Wilkes-Barre.

Mrs. J. S. Kunkle is suffering from an attack of tonsilitis and la grippe.

Jane Updyke, little daughter of Mr. and Mrs. Palmer Updyke, has been ill with la grippe.

Miss Frances Hess was the guest of Mrs. William Brace on Thursday afternoon.

Mrs. Fred Kunkle recently received from her sister, Mrs. E. W. Jenkins, of Kelso, Washington, a quaint

old silver teaspoon, one of a set that has been in her mother's family for more than 150 years. Mrs. Kunkle prizes the old heirloom very highly.

Mrs. Cragg Herdman and daughter, Rebecca, visited Mrs. Ralph Hess on Friday last.

Mr. and Mrs. Ralph Ashburner spent several days with the former's mother, Mrs. Ashburner at Outlet, following the illness and death of his father, Mrs. Robert Ashburner recently.

Mr. and Mrs. W. S. Kunkle, Russell Honeywell, Mr. and Mrs. Harry Sweezy and Miss Frances Sweezy, attended the funeral of Mr. Ashburner at Outlet on Wednesday of last week.

Mr. and Mrs. Albert Kunkle entertained at dinner on Friday, December 28 Mrs. Kunkle's sister and brother-in-law, Mr. and Mrs. Emil Young, of Buffalo, N. Y. Mr. Young was returning from a business trip to Philadelphia, while Mrs. Young had been enjoying a visit at the home of her brother, Dr. H. K. Van Tuyl, of Kingston.

Miss Emily Shoemaker and Miss Frances Sweezy called on Mr. and Mrs. Joseph Shoemaker on Sunday.

Miss Dorothy Bulford, of Trucksville, visited for several days at the home of Mr. and Mrs. Edward Con-

den, of Alderson.

Mrs. John Isaacs was ill for several days last week with la grippe.

Jack and Martha Kunkle and Jean Miller have been ill with la grippe and unable to attend school for several days.

Fred Kunkle celebrated his 48th birthday anniversary on Tuesday evening with a clam supper for a group of friends at the home of his brother, Olin Kunkle. Covers were laid for Mr. and Mrs. Harry Dewitt and sons, Warren, Paul and Carl, of Mt. Greenwood; Mr. and Mrs. S. R. Durland, Mrs. Etta Kochoer and Miss Margaret May, of West Wyoming; Mrs. Fred Makinson, Mr. and Mrs. C. V. Makinson and daughter, Nellie, of Forty Fort; Wm. Baird, of Trucksville; J. S. Kunkle, Miss Margaret Kunkle, Mr. and Mrs. Olie Kunkle and children, Eleanor and Charles D. and Mr. and Mrs. Fred Kunkle.

The Ladies' Aid Society held their regular meeting and served dinner at the Grange Hall on Wednesday. The following officers were elected for the ensuing year: President, Mrs. A. C. Devens; vice-president, Mrs. M. C. Miers; treasurer, Mrs. C. W. Kunkle; secretary, Mrs. Fred Kunkle. Arrangements are being made to hold their annual bazaar the first week in February. The date will be announced later.

The Beaumont Ladies' Aid Society will hold their annual bazaar in the Beaumont Church basement on Thursday evening, January 17th. Refreshments will be served and a very

pleasant time assured all who attend.

Mr. and Mrs. W. H. Conden entertained on Sunday Miss Dorothy Bulford, of Trucksville; Mr. and Mrs. Edward Conden and children, Lois and William; Mr. and Mrs. Jacob Conden and children, Merle, Elwood and Dorothy, of Alderson.

A force of men from the County Road and Bridge Department installed luminous warning signs at the R. R. crossing and at each end of the Kunkle-Alderson road this week.

Mrs. Clarence Root and sons, Jimmie and Freddie, are ill with la grippe.

Mr. and Mrs. Gideon Miller are "listening in" on the world by means of a new Crossley radio recently installed.

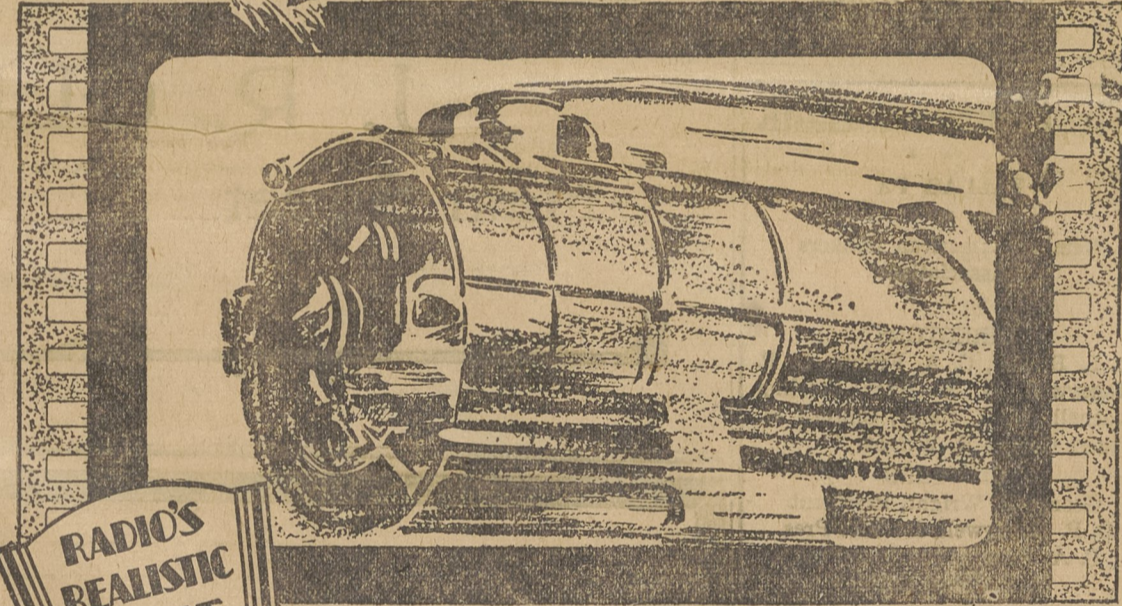
Mrs. W. S. Kunkle is suffering from an attack of the la grippe this week.

Dr. Briggs State veterinary from Harrisburg, assisted by J. S. Kunkle, started the second tuberculin test of the cattle of Dallas Township this week.

Mr. and Mrs. Lewis Nulton entertained at supper New Year's night Mr. and Mrs. John Pugh and sons, John, Jr., and James; Miss Adereen Kochoer, Evan Harris, Mr. and Mrs. Albert Kunkle and son Karl.

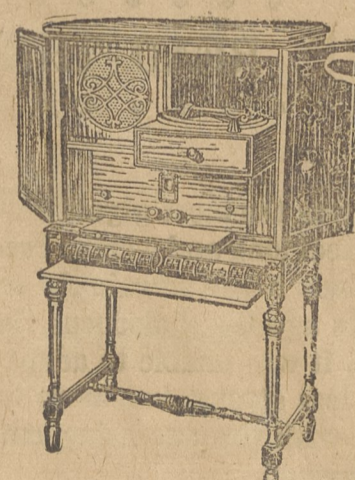
Mr. and Mrs. Albert Kunkle and Mr. and Mrs. Lewis Nulton, Mildred and Alfred Nulton spent New Year's Eve at a Watch Party at the home of Mr. and Mrs. John Pugh, of Edwardsville.

Stapleton's Whooping Cough Syrup for that LINGERING COUGH Child or Adult, 75c Next to Luzerne Post Office



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A similar situation exists in Radio today. Thousands of radio owners are not entirely satisfied with the sets they own. They realize there is room for improvement. There was—true enough. But that improvement HAS ALREADY BEEN MADE in the new, advanced All-American Mohawk Corporation Lyric Radio—RADIO'S REALISTIC CLOSE UP.

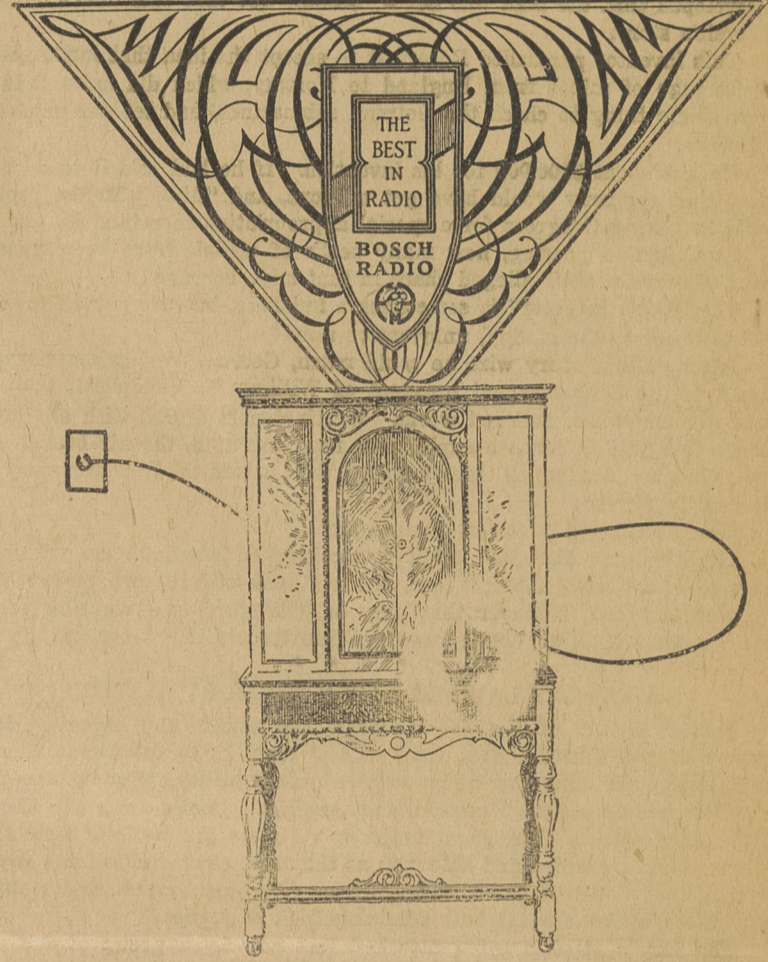
There may be still greater improvements to come—but from all indications they are in the far distant future. Why wait? Why deprive yourself the pleasures of radio at its best TODAY?

All-American Mohawk Corporation Lyric Radio line embraces eleven attractive models. Six and eight tubes. A. C. Electric operation—or for batteries. Combinations—radio and phonographs. Electro Dynamic Speaker. Lower prices than you ever dreamed possible for such splendid beauty and quality. It will pay you to investigate.

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