carrets or mangels, which may it sibilities of soil, climate and water do

freshened in the spring.

whole milk until the calf is wholly maintained on skim milk. Just as grain it should be given a little crushed barley, or what is better, This, with nicely cured in excellent physical condition. exercised that the milk is sweet and warm, and fed from perfectly clean vessels. Dirty buckets, sour, cold milk, and the feeding of too large quantities are responsible for the wretched condition of many skimmilk calves.

about two or two and a half years old, and care should be taken that the first milking period is a good mon domestic cultivated grasses will long one-at least eleven months. In lead to a much heavier production of this way the habit of persistent milk- forage of much better quality. There section. ing is established.

To dairy successfully, the dairyman must be well posted in his business; hence the dairyman must be a student. Good dairy books should be read, and above all, Hoard's Dairyman should be in the home of every dairyman. This publication is truly the gospel of modern dairying, and no beginner can afford to be without

Dairying and hog raising usually go hand in hand. Hog raising, however, can be conducted successfully independently of dairying. There is no doubt but what conditions are especially favorable for the industry in this county. Conditions here are quite similar to those of the San Luis valley in Colorado, where hog raising is carried on very successfully. In this valley the field pea is used extensively for fattening the hogs. These are what is commonly termed "hogged off," and it is reported that three, or four thousand dollars' worth of pork has been produced from a quarter section of land. The field pea should do well upon the irrigated lands of the Klamath Basin. With alfalfa pasture for growing hogs, and the field pea for finishing them for market, the industry should prove a prof-

presented by the industry is an eco-nomical method of winter mainte-table and fruit production I will not nance of the breeding stock. This speak, but these special industries can be inexpensively done with roots promise to be some of the greatest and alfalfa hay. Carrots and mangels can be grown in great abund- the country. ance, and these, with alfalfa hay, and in some special cases perhaps a very able, production finally depends most slight supplementary feed of crushed largely in this section upon the methbarley, the hogs can be carried ods of culture related to the best through the winter in good condition. utilization of the water. To both the The aim should be to carry the smal- irrigation and dry farmer there is no lest number of hogs possible through subject so worthy of careful attenthe winter and turn off everything tion as that of culture for the conavailable during the summer and fall. servation of moisure. To the man It would be a good plan to have the above the ditch this is at once appigs farrowed early in the spring, so parent, but to the man below the that they will be large enough to turn ditch it is equally important, for, in on the alfalfa when it is ready in the the one case, the rainfall is scanty. spring, so that the pigs will attain a and in the other case, the water is need to be informed regarding the good size by the time the peas are costly, and the profit in farming for

Good blood in the hog pays as well tion. as it does in other classes of farm livestock. Thus, whatever breed is space of the principles and practices ways be maintained at the head of ture depends, but there is no doubt

should develop with leaps and portance and of vital interest both to has been solved and water has been farmer. brought to the thirsty soil. It now comes more intensive and the imrests with the farmer to supplement mense possibilities of the soil and clithese with modern methods of husbandry and thus develop a highly ization of the water, either from the prosperous agriculture.

farming and draininge engineering, wealth of this great inland territory Scudder said, in part:

The first impressions of a newcomcountry are of great surprise at the immensity of the agricultural area found set among the hills here-the apparent richness of the soil, and the abundance of water on all hands, accompanied by what seems to be climatic conditions very favorable to a great crop production. A newcomer, first be greatly affected by the oppormust be remembered that in agriculconvincingly to a prospective purbilities. Of course, the more intensive farms of farming are still very new in and the fence, rows clean, and the grain and forage crops in unbroken any and all bids. stands, are what make the most effeetive impression and convincing argument to an outsider. The great pos-

stored in cellars or basements and not yet seem to be fully utilized here, kept in good condition throughout nor perhaps even realized. Samples the whole winter. Stave silos are in- of grains, grasses, forage, garden and expensive, and peas can be produced fruit crops examined during our brief in great abundance. Thus, there is stay here show exceptional qualities no reason why winter dairying should and possibility of heavy and exceednot prove very satisfactory in this ingly profitable production, yet in the section. A daily ration of fifteen or field evidences of such production are twenty pounds of alfalfa hay and not shown. Given such a, splendid from twenty to forty pounds of roots soil, and excellent climatic conditions. or silage, with four to six pounds of profitable crop production depends crushed barley, would be ample for primarily upon the adaptation of the gon Agricultural University ada heavy milking cow during winter. crops to the conditions of the region. Winter dairying will be found The source and quality of the seed much more profitable than summer used is of the highest importance. dairying. A cow that freshens in the This point cannot be too heavily em- The Rev. Geo. T. Pratt presided. fall and receives proper care and food phasized in this valley, for here, as will yield at least twenty-five per elsewhere, it is the one most comcent more profit than she would if monly neglected, yet is the cause of pressed with the remarkable possigreater losses to farmers here, as well properly raised from calfbood to ma- and development of better varieties The heifer calf should be of wheat and barley seems to me a seen from the inerview had with him taken away from its dam about matter of immediate importance to by this paper, as follows: twelve hours after birth. This is this country here. There is no quesvery important, for it has been esti- tion in my mind that there are higher mated by careful observers that every yielding varieties of both of these day the calf is left with its dam up cereals than are now used here, as bright future for this part of the state that will be beautiful." one dollar in the annual production quality. Just what these varieties of the cow. For the first two or three are only experiments can tell specificweeks the calf should be fed whole ally, but the experiment stations in which will support a large popula- part; milk; after this gradually substitute the Department of Agriculture offer warm separator skim milk for the every facility for getting these varieties into the country where farmers show an inclination to try them. In soon as the calf can be induced to eat this connection, it must be rememhere will show great advantages the first year or so, and this should not In great difference in elevation, in soil feeding skim milk, care should be and climatic conditions make it necessary to persevere in the growing of a new seed until it becomes thoroughly acclimated, when its inherent suerior qualities are bound to come to While the native grass crops pro-

Heifers should be freshened when very highest nutritive quality, yet in the introduction of many of the comseem to be very few of the cultivated grasses which do not thrive here, but they seem to be grown in very restricted areas as yet. As far as I have seen, the alfalfa here shows a remarkable possibility, yet I under-stand that principally all of the seed and though alfalfa seed production here is excellent, yet none of it seems such as the Montana Bloom, and the growing of alfalfa seed here as an industry will not only be highly profitable in itself, but would greatly improve both the quality and quantity of the crop as grown for feeding purposes. In connection with alfalfa growing, since this is a crop of long ife, it is of immense importance that he land should be made thoroughly of the lack of a little initial care in sowing. Other legumes, such as field eas and the vetches, are of great aining soil fertility, should be widely and fruit production I

Given the best crop seed obtainboth depend upon moisture conserva-

I cannot speak here in the limited selected, a pure-bred sire should at upon which the conservation of moisthat in the near future this one sub-Agriculture in Klamath county ject will become of paramount imbounds. The transportation problem the dry farmer and the irrigation As farming in this area be mate are realized, upon the best utilanal or the rainfall will hinge the The meeting adjourned until 2 future prosperity of the entire region. When the methods related to these o'clock, when Professor H. H. Scud- subjects are fully worked out and der, specialist in soils, field crops, dry practiced here the value of lands and e density of population and the discoursed on these subjects. Mr. will be a matter of surprise to the whole coast.

er, such as I am, into the Klamath NOTICE TO CONTRACTORS AND BUILDERS

NOTICE is hereby given that the officers of School District No. 11, particularly a land-seeker, should at on miles east of Klamath Falls, on tunities of profitable husbandry of- the Bonanza wagon road, will receive fered by this region. However, it bids for the construction of a oneture, as in all other businesses, there room frame school house and outis nothing that speaks so loudly and buildings. Plans and specifications chaser as the actual goods them- may be seen at the office of the Counselves, the results of the soil's possi- ty Clerk of Klamath County or at the office of the district clerk, S. E. Icenthe Klamath country, so perhaps it bice, in said district. Bids will be should not be expected that evidences of large crop productions should be opened at the office of the County found on every hand, but the barns School Superintendent at 1 o'clock and yards, crowded with stock and filled with forage and grain, the fields p. m., Saturday, September 18, 1969. covered with closely cultivated crops. Directors reserve the right to reject

> T. M. CUNNINGHAM, Chairman. Attest: S. E. ICENBICE, Clerk.

PRESIDENT KERR TALKS

Advocates Education of the Masses and Suggests Correspondence to Secure Information.

President H. D. Kerr of the Oredressed a good-sized audience at the high school auditorium Monday night. President Kerr was very much im-

lally adapted to the conditions of this the progress of civilization.

is imported from lower elevations, likely be used, which is always harm- or per capita of population than any close and even stand to avoid the all over the United States in the De. five thousand were in the secondary cotty fields which year after year partment of Agriculture. They are schools, while more than seventeen deduct from growers' profits because collecting seed and the method of sistance in the work. Then, there is schools. Our annual expenditures lars. The raw material costs \$10,the experimental station at Corvallis, for education exceeds \$350,000,000. feeding value, and of particular im- in which specialists are spending "In response to the demand for products are valued at \$17,009,000,portance in short rotation for main-their entire time studying problems trained experts in the development of grown here, as they are peculiarly that are met in the development of the resources and industries of the "But notwithstanding all that has cessful agriculture. They should ing.

ern agricultural methods. This sec- dent upon it, has been the develop- yet it was estimated that one-fourth young people as possible the advan- ests of the country. As a result of and that another fourth yielded no they can come back home and help it great progress has been made in the in the United States for 1907 was solving the problems that are en-improvement of agricultural practice. fourteen bushels per acre. In that

less be developed that will be espec- pends all economic and social growth, crop.

midst here experts who are informed sand were in the colleges and uni- last year was nearly \$8,000,000,000. available always for advice and as- millions were in the elementary wages three and one-half billion dol-

break away from one old slipshod

"As to Klamath Falls, this city the past ae being replaced by scien- to produce 634,006,000 bushels.

calities where water is given for irri- the history of education. We spend revolution in the methods of transgation, an excessive amount will very more money for education per pupil portation, mining and manufacturing. "These facts are given as an indi-For instance, during the last twentyful, resulting in damaging the land other nation in the world. Our school five years the cost of mining and logged, necessitating drainage later, kindegarten to the university. The been reduced a thousand per cent. Incan be avoided if the people would be schools, colleges and universities ag. the United States during the last fifty more sparing in the use of water for gregated about nineteen and one- years, particularly during the last irrigation, and also better crops third millions. Of these approximate- two decades, has been marvelous. would be obtained. You have in your ly two hundred and sixty-five thoulean in preparation for seeding, and regarding the work that is being done versities and nine hundred and sixtymanufactories, which employ six million people, who receive annually in 000,000,000, while the manufactured

Perhaps the most difficult problem adapted to the climatic and soil condi-agriculture, and they are always at country, institutions of higher learn-been accomplished in the past, the will not the service of the people and glad to ing have expanded and developed loss to the farmers of this country assist. I would suggest to the people their work during the last few de- through lack of information and the features of the future development of here that they do not hesitate to use cades until the field now covered is proper application of scientific printhese advantages. Write to the direc- practically as broad as human en- ciples in agricultural practice amounts tor there for any information upon deavor. The agricultural and mechan-literally to hundreds of millions of any subject, that they may be of as. ical colleges have developed the dollars a year. It is estimated that sistance to the people here in over- science of agriculture, have inaugu- the annual loss on cereals from incoming any difficulty or problem that rated work in household technology, sects alone is \$190,000,000; on formay arise, and the experts will al- and have been a potent factor in pro- ests and lumber, \$150,000,000; on ways be glad to assist. The people moting engineering education. Dur- stored crops, \$150,000,000; on aniought to take advantage of the agri- ing recent years many other colleges mai products, \$175,000,000; on cultural college at Corvallis. They and universities have established en- fruits, \$27,000,000; on cotton, \$60,gineering courses and are now plac- 000,000; on hay and grain, \$53,000,scientific principles involved in suc- ing emphasiz upon technical train- 000; and on other products about \$735,000,000. Last year the dairy "Concurrent with the growth of products of the country aggregated in methods of the past and adopt mod- higher education, and largely depen- value more than \$800,000,000, and

tion should give as many of the ment of the civic and economic inter- of the cows did not pay for their feed, tages of training for this work, so the work of the agricultural colleges, profit. The average yield of wheat The wasteful, unscientific methods of year 45,211,000 acres were required

ought to grow. You have great ad- tific, up-to-date work. We are now "A century ago the yield of wheat vantages here with the Upper lake able to control the San Jose scale, in Great Britain was about the same and the timber adjacent. Also, this which at one time threatened the delas the present yield in the United city is bound to enjoy a great tourist struction of the entire fruit industry States, but after a campaign during travel from people who will come of the country. We have also con- the past hundred years of scientific here and spend their summer vaca- quered the codlin moth, the curculto, methods of cultivation and seed selec-Not only should the cow possess as over the entire State, than any bilities of this section which he found tions. They will establish summer the currant worm, the pear paylla, tion, the fields of England that have Not only should the cow possess other one factor. The introduction during his brief stay here, as will be homes on these lakes. You have a and many other pests. By following been tilled for more than ten centuries autiful location here for a city, modern, scientific methods, the value are now yielding thirty-two bushels These hills, with the river, give you of the agricultural products of the per acre. Germany has been an agri-"I consider that there is a very an opportunity for building a city country has been increased hundreds cultural country for nearly two thouof millions of dollars. The yield of sand years, yet the lands produce to a certain limit there is a loss of well as varieties of grain with better in the agricultural line, with its good President Kerr, in addressing the corn in the State of Wisconsin has more than 27 bushels of wheat per soil, ample water and good climate, meeting at the high school said in been increased from twenty-seven to acre. If the United States proforty-five bushels per acre, thereby duced twenty-eight bushels per acre tion. I consider that the immediate "Education has been variously de-increasing the value of this crop in it would double the present product uture offers the best opportunities in fined as a preparation for life, the un- one State alone upwards of \$15,000 on the same acreage. This would add dairying, growing hogs, forage crops, folding and upbuilding of life, as life | 000. By the same methods the value upwards of 600,000,000 bushels of bered that no new varities introduced including alfalfa particularly, peas, itself. Perhaps the best definition is of the corn crop of lowa has been in wheat to last year's crop on the same etc., and the cereals. Fruit will be that by Herbert Spencer. He says creased \$8,000,000. The increase in land, and at only a nominal additionalfalfa hay, should maintain the calf be a cause of discouragement. The grown here, but I think that will that 'to prepare us for complete live the corn crop of the United States al cost. Again, by thorough tillage, come later when more is known about ing is the function which education amounts to more than two hundred the average yield of wheat in the the variations in the temperature of has to discharge. Whatever may be fifty millions of bushels. The for- Netherlands is more than thirty-four different localities in the hillsides, the differences of opinion in regard to maidehyde treatment for smut saves bushels per sere against fourteen which localities will probably be best the details of school work, all must to the country millions of dollars. By bushels in the United States; of oats, adapted to fruit growing. In the concede that education bears an im- applying scientific principles in cold fifty-three bushels against twentyduced here are, in some cases, of the fruit line more information is neces- portant relationship to individual and storage, the State of California alone three in the United States; potatoes, practically a majority of this section sary here, and varieties will doubt- national development. Upon it de-States (a difference of over \$60 an "Great progress has also been acre). Not only this, but the average "The development of the school made in different lines of engineering yield of wheat on the Sest tands of There are some difficulties which system of the United States during work. In fact, through the application the Northwest has fallen from twenwill have to be overcome here. In lo- the past century is without parallel in of science there has been a complete ty-five to less than twelve bushels per

to be grown. There is no question more or less by becoming water- work covers every grade from the transporting certain kinds of ore has DR. A. A. DEPUY EYE, EAR, NOSE, THROAT sometimes at great cost. Much of this enrollment last year in all the deed, the industrial development of With Dr. F. M. Whi e. over First

M. RICHARDSON

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