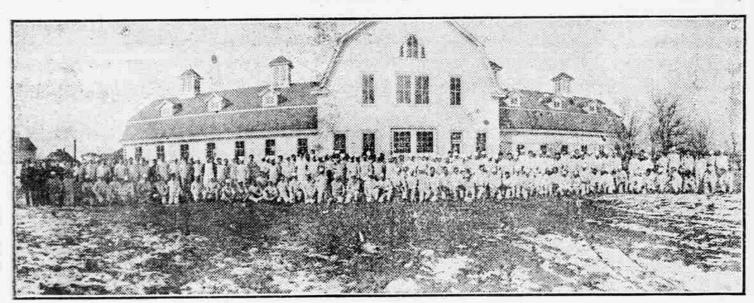
AGRICULTURAL EDUCATION IN NEBRASKA

(By Frederick M. Hunter, Principal School of Agriculture, University of Nebraska.)



CLASSES IN DAIRYING, SCHOOL OF AGRICULTURE, UNIVERSITY OF NEBRASKA.

Missouri valleys have agricultural come. problems, too, but for none of them

South Dakota, etc., have large agricul

The first phase of the industrial ricultural production in the United to be leaders in these communities. States is not now keeping pace with

Not long ago a Nebraskan, very the high schools. much interested in scientific forming. Nebrovian, who intirely typical of the degree of R. Sc. intensive forming carried on in In addition to this, the School of Agricultural education.

Nebraskans then are chiefly con tion. carned with the questions of how to An additional winter course of six make farming to the highest degree weeks is given each year for young productive, and how to make rura! farmers who cannot come in for the conditions socially attractive, so that longer session. Some two hundred American rural life may continue to usually register for this course. be, as in the past, one of the great. It will be noted that there are in est factors in our civilization. The all somewhat less than one thousand solution of these problems depends, students who receive each year anyin a great degree, upon the systematic thing like an adequate training for a organization and effectiveness of agri. distinctly agricultural career-and this attendance have greatly appreciated cultural education. The first step in in a state whose only resource is agthis solution is the organized process riculture. It is the great purpose of of accumulating scientific agricultural our university and of those who have knowledge-or one might call it the at heart the future of our glorious working out of the science of agricul commonwealth to bring the work of ture. Great progress has already been these institutions already established made in this work. Experiment sta- to an increasing number of our young tions have been in operation for a people whose fortunes will be eterconsiderable number of years in all nally bound to the life of the farm; the states and territories. Investiga and through the other agencies which tions in universities and colleges have are only beginning this great work gone far toward placing the various to make it possible for every boy and subjects which constitute agriculture girl to guarantee the future, not only upon a genuinely scientific basis. Fed. in financial success, but in broad thinkeral laws and the United States de | ing and right living. partment of agriculture have lent their aid in this first step of a great New Buildings for University Farm. movement. The amount of scientific knowledge accumulated is far in adwance of what the general actual prac at the University farm, which is to that the governor's reception will be tice will be for years to come.

that we must make our educational sew building will furnish very greatly in the west on agricultural subjects.

EBRASKA'S great industrial ques | system really deomcratic—for it is not needed facilities for the promotion or tions are strictly agricultura. democratic, judged by its present day their work. It also contains a number C. E. ELDRED, Attorney. Other states in the great Missi: results. To do this means that we of large class rooms, which are to be sippi and Missouri valleys have must have a system which gives to the used for general school purposes. The Nebraska's great industrial ques future tiller of the soil both a broad building will stand on the site of the tions are strictly agricultural. Other culture and technical knowledge of his old horticultural building. The approstates in the great Mississippi and profession, for such it really must be priation for this building is \$85,000, sealed bids for the furnishing of the

does every industrial question lead so bringing to our farm populations of within the appropriation, so that work directly to the farm and the man who the future, both a broad education can proceed at once and the building lives on it as in our own state. Ne and a knowledge of the most up to be ready for use this year. braska is a state of practically one re date and scientific farming-we have source-the farm. All our neighbor no adequate educational system. We ing states, Kansas, Missouri, Iowa, need an elementary school system for our rural districts which educates for the classics and a professional career. We need in these rural schools teach question in Nebraska, is "How shall ets who are sympathetic with rural we make our farming intensive?" Ag. life and conditions and who know how

We need, too, a high school system the rapidly increasing population. For which not only prepares for college generations past the continually in and university education, but which ereasing demand for agricultural productives a thorough, yet sane and workucts caused by the growth of popula able training in the things which Netion has been met by the occupation braska boys and girls must do in life; exhaustible supply of new farm land, young teachers to be leaders in our But now the supply of tillable land in rural schools and communities. To hausted. Yet the increase in our pop culture and technical training-the ulation has been greater than ever purpose the realization of which will before. The great question is how to solve the problem of our rural lifemake our farms meet the increasing we must have the aid of both these great agencies-the rural schools and

The University of Nebraska is siek was traveling in France. He was a ing to lead in accomplishing this perguest on one occasion at a rural home, pose. In addition to its efficient ex-The family of five members he had periment station, it maintains the known slightly for some time in a College of Agriculture organized as business relationship. The beme was one of the great divisions of the uni one of luxury and almost afflience, versity. This organization is occi-They were investing money continual legiate rank and admits students from ly in 'merican securities, chiefly accredited high schools. It seeks to school bonds, and had at that time train scientists and leaders in agricul several thousand collars invested in tural thought. In this college some Yet the only income of three or four hundred young men and this timily consisted of a form of women are enrolled. These will gradseven cores of "impoverished" Freuch unte from the University of Nebras This in time according to the ka at the end of four years with the

France, and such results were made riculture is organized as one of the possible by the " such system of ag departments of the college. This school is of high school rank. It ac-The other phase of the problem cepts pupils directly from the eighth which Nebrasha must polve for herself grade, and in a four-year course gives is the improvement o' rural condi a fairly good high school training an.1 tions, so that the general city-ward a thorough technical training in agritrend of the population from the olds culture. The four-year course can be raral com munities may be checked, completed in two years by those who It is true that the consus of 1910 have had a three or four year high showed a small per cent increase er n school education before registerin; in the rural population of Nebres a. For young women the four year cours-But this increase was due most entire consists largely of home economics. ly to the growth of western counties. It can be completed in two years where new land is yet being devel also by those having a good high and practical methods of maintaining oped, and where rural conditions are school education. The session of the as yet not in the least permanent, four-year course is six months in The more established rural commu length, beginning about Nov. 1 and pities showed the same decrease in ending about the last of April each population that was so manifest in year. In this institution some four Iowa and among all the older rural hundred young men and women are populations. The continuation and registered. As in past years, about 90 chased, to take better care of that now the spread of this tendency is sure to per cent of these will go back to the on hand, and to operate farm machinbring disastrous results to our state farm and become leaders in the work- ery with the greatest economy and ing out of Nebraska's industrial situa. success.

The university is advertising for the Thursday, and a number of them hold erection of a large fireproof building meetings on Friday. It is reported house the departments of agricultural held on Tuesday evening, Jan. 16. At But this knowledge is not in the botany, horticulture, and entomology. possession of the masses of the people. These departments have been greatly evening Mr. Will B. Otwell of Illinois and the great work of the future is to crewded in recent years, especially will speak. Mr. Otwell is reported to press, postage, or drayage charges bring it to them. To do this means horticulture and entomology, and this be one of the finest platform orators and must be for articles delivered any sufficient levies made or in

I'vy if the farmer devotes any con-pur every machine, warne

and it is heped by the regents that following supplies to said county dur-To accomplish this purpose-of the bids for the erection will come ing the year 1912, to-wit:

FEED FOR DAIRY COWS

One of the important conditions that tural wealth, it is true, but in each of the farm instead of away from it; cause the cow to give more milk dur- book. them other great interests, for exam which groups its instruction about ag ing the early spring and summer is 7000 tax receipts, original and dup ple, mining and manufacturing, pre riculture and rural life as the central that she obtains succulent feed. To licates, per thousand. sent their problems for popular atten idea instead of about preparation for maintain a good flow of milk during the winter some form of succulent feed should be given.

one having that property possessed by one book) per books. green grass. Such feed has a value outside of the actual nutrients it con. per book. tains, on account of its favorable effect on the digestion of the animal. There are two methods in use for sup to Voters," per 100. plying this food during the winter season. One is the use of root crops and to Voters," per 160. and tilling of the seemingly almost in a system which is capable of training the other is the use of silage. In some 5000 assessors' schedules, pure parts of the world the use of root ed and folded, per 1000. crops is almost universal, and is the 27 assessment schedule regions where climatic conditions really reach the masses of our young solution of the problem. In this state complete. make crops possible without the cest people and accomplish in them the the use of slage is far more practical, books. of irrigation has been almost ex twofold purpose I have named ab ve however, than the use of root crops, and for that reason it is recommended exclusively for this purpose.

There is no way in which the corn crop can be better used to advantage than by putting it into the silo. More form, per 100. feeding value can be obtained from an acre of corn bert in this way than in any other condition. Silege is polata ble, and cett'e relish it as part of the

pected that it will be sufficient as the first 160, and each additional 100 only roughage. Hay should be fed in addition. The hay that goes well with first 160, and each additional 100. silage to make a balanced ration is clover, alfalfa or cowpea hay. From 30 to 45 pounds per day is counted a reasonable feed of corn silage. It con be fed to almost any stock.

SHORT COURSE BEGINS

The winter course of the School of Agriculture opened as usual on Jan. 2 and furnishes the best of opportunities for farmers' boys and young cluding cards. farmers who can spare the time for a month or six weeks to study practical agricultural problems under expert of 10. teachers. The instruction includes a study of field crops, the judging of corn and other grains, a study of soil management, horticulture, etc. In the live stock department attention is given to the feeding of live stock, the judging of horses, cattle, and swine a live stock farm. Instruction is given in dairying and in animal diseases The operation and management of farm machinery is also studied, with a view of fitting the student to make a better selection of the machinery pur-

Lectures are given in farm manage ment dealing with the organization of the business of the farm, the methods of conducting farm operations, and a study of profit and loss under differ-

ent methods of farm management. The winter course has always drawn wish to practice the most up to date methods, and those who have been in the advantages which were offered by

The meetings of organized agriculture at the University farm will open this year on Jan. 15, with the Association of Agricultural Students. On Tuesday the Corn Improvers' association, the State Board of Agriculture. the Improved Live Stock Breeders' association, and the Horticultural society will hold sessions. On Wednesday, the 17th, all of the above named secieties, together with the Nebraska List. Farmers' congress and the Dairymen's association, will be in session. Most of these societies continue through the general meeting on Wednesday

All creditors of the estate of ty Clerk," and marked proposal for paid and cancelled. scar M. Matthews, deceased, are books, blanks, stationery and legal otified that the County Judge these items. xamine all claims against said ful performance of their contract. state with a view to their ad- law, at the regular meeting of the its Mayor, Council and Clerk isistment and allowance. The county board, January 9th, 1912. me limited for presentation of aims against said estate aly 18th, 1912.

(Seal.) J. C. MOORE, County Judge. ITCHIE & WOLFF, Attorneys.

Notice.

To the creditors of the estate of Carrie M. Farnsworth, deceased.

You are hereby notified that the time for filing claims against said estate expires June 29, 1912, and that the county judge of Red Willow county, Nebraska, will sit on the first day of July, 1912, at the hour of nine o'clock a. m. to examine all claims against said estate, with a view to their adjustment and allowance.

Dated December 23rd, 1911. (Seal.) J. C. MOORE,

County Judge.

ADVERTISEMENT FOR BIDS. Notice is hereby given nthat the

Class No. 1, Books. One Personal Tax list, 1913. One Real Estate Tax list, town lots 1913. One real estate tax list, farm lands

One loose leaf mortgage record. One 6-qr. medium treasurer's cach

2 dozen chattel mortgage files, gun

med stubs, numbered, each. 23 sets primary election poll books (Tally sheets for all parties and

By the term succulent feed is meant register of voters, all combined i 23 sets general election poll books

92 poll book envelopes, per dozen 46 ballot sacks, per dozen. 225 primary election "Instruction

225 general election "Instruction

24 primary election laws.

24 general election laws. Loose leaf record blanks, printed

1911 statutes, per book. All records to be full Lound, extra ends, bands and fronts and to be made of Byron Viesson 25 lb. m. J. m II...n ledger paper.

Class f, I cgal Blanks. Clie 81/2x28, printed two sides, re-Size 81/2x28, printed one side, pe Size 81/4x14, printed two sides, per first 100, and each additional 100. Size 81/2x14, printed one side, per first 100, and each additional 100. Size 81/2x7, printed two sides, pe first 100, and each additional 100. Size 81/2x7, printed one side, per first 100, and each additional 100. Size 81/2x51/2, printed two sides, per first 100, and each additional 100. Size 81/2x51/2 printed one side, pefirst 100, and each additional 100.

Postal cards, printed, per 100, in-Class 3, Stationery. I. Senate pads, 81/2x14, per package

Senate pads, 4x7, per package o Writing fluid, Carter's, Sanford's Stafford's, Arnold's, Bankers', pa

Lead pencils, Memphisto, No. 77 copying, per dozen. Election pencils, per gress.

Lead pencils, E. Faber, No. 2, pe

Velvet pencils, rubber tips, 557 Venus copying pencils, No. 165, pe lozen. Typewriter carbon paper, bes

grade, 8½x14, per dozen. Typewritter ribbon, best grade. Typewriter paper, best grade, heav nedium, light, per ream. Mucilage, best grade, per quart.

Pen holders, cork tip, bank, each. Pens, Easterbrook, Glucinum, Sil er Series .per gross. Rubber bands, No. 18, No. 16, No. 30, per gross. Blotting paper, best grade, per

Class 4, Stationery, II. Memo heads, 6x9, 7 pounds, paper, per 1000. Letter heads, size 81/2x11, 10-pound bond paper, per 1000.

pound.

Letter heads, size 81/2x11, 12-pound lat paper, per 1000. Envelopes, printed, No. 61/2, No. rag paper, per 1000. Envelopes printed, No. 10, No. rag paper, per 1000.

Bar dockets, 41/2x71/2, per page. Notices of election, per 100. Sample and official ballots for pr mary and general election for 1912. including precinct changes and rotating, per 100.

Claim blanks, per 100. Class 5, Legal Notices, Commissioner Proceedings and Delinquent Tax

Publishing legal notices, per square Publishing commissioner proceed ings, per square. Publishing delinquent tax lists. Separate bids must be furnished on

one of them. All supplies must be furnished Bids are to include all freight, ex-

each one of the 5 sections, or any

on Spanner to the many

printing," or any one or more of

ill on July 19th, 1912, sit to good and sufficient bond for the faith braska: Bids will be opened according to

> Sealed bids will be received at the county clerk's office up to noon, January 9th, 1912.

he right to reject any and all bids and to enter into separate contract for each one of the five sections ad ertised. Dated at McCook, Nebraska, De

cember 7th, 1911.

CHAS. SKALLA. County Clerk

Resolution declaring the intention of the Mayor and Council of the City of McCook, Nebraska, to refund Fifty Thousand recting public notice to be givstatutes of Nebraska for 1911, herewith.

drawing interest at the rate of city shall be affixed thereto. ix per cent per annum, payable | Wherefore, it is ordered that semi-arnually as evidenced by any tax payer of said city may tached to each bond, and:

ed and set forth; and,

ing bonds; and:

collected in any fund levied for ed. the purpose of paying said "Wat er Bonds' in the aggregate sum the City of McCook, Nebraska, of fifty thousand dollars, or in this 22nd day of December, 1911, any other fund of said city with and approved by the Mayor on which said"Water Bonds"in the the same date. aggregate sum of fifty thousand dollars, can be paid, nor are there Attest: process of collection out of which (City Seal.)

Therefore, it is Resolved by the Mayor and Council of the City of i Red Willow County, Nebraska, All successful bidders must file McCook, Red Willow County, Ne-

That said city by and through

sue one hundred coupon bonds of five hundred dollars each numbered from one to one hundred The county commissioners receive which bonds shall be known as "Refunding McCook City Water Bonds" in the sum of fifty thousand dollars, dated January 15th, 1912, bearing interest at the rate of five per cent interest per annum payable semi-annually on the 15th day of July and the 15th day of January in each year, and evidenced by coupons attached to said bonds. One twentieth of said bonds, numbered one to five inclusive, in the ag Dollars of the out-standing wat gregate sum of \$2,500 shall be ab er bonds of said city bearing solutely due and payable on the date June 15th, 1908, and di- 15th day of January, 1913, and one-twentieth of said bonds, toen of such intention all in ac- wit: five of said bonds in the orcordance with sections 11279- der of their regular consecutive 11282 of Cobbey's Annotated numbers and in the aggregate amount of \$2500 shall be absolute and repeal all resolutions and ly due and payable on the 15th parts of resolutions in conflict day of January, of each and every year thereafter until and in-Whereas, the City of McCook, cluding the date when the five Red Willow County, Nebraska, by bonds numbered ninety-six to one and through its duly authorized hundred inclusive shall become efficers did, on the fifteenth day absolutely due and payable, toof June, 1908, pursuant to auth- wit the fifteenth day of January, ority granted by chapter 14 of 1932; said bonds and interest and the Compiled Statutes of the the coupons thereto attached to State of Nebraska for the year be payable at the banking house 1907; by an ordinance of the City of Kountze Brothers in the city of McCook passed by said Coun- of New York, U. S. A.; and with ell and approved by the Mayor proceeds realized from sale of of said city May 25th, 1908, and said refunding bonds take up and numbered 142 of the ordinances pay off, or make an exchange for of said city; and by a vote of two the said outstanding unpaid thirds of the legal votes of said "Water Bonds" in the aggregate City of McCook, Nebraska, east sum of fifty thousand dollars, for and against the proposition and in no event shall said reat an election duly held for that funding bonds be sold for less purpose in said city April 7th, than par; and that the proper tax 1908, issue eighty-five thousand byying authorities of the City dollars in bonds, known and des- of McCook, and Red Willow cour ignated as "Water Bonds," in ty, Nebraska, be and hereby are denominations of five thousand authorized and directed to levy dellars each, numbered one to sev and collect annually a general enteen inclusive; numbers four- ax in such amounts as will be teen to seventeen inclusive of sufficient for the payment of the which, a total of twenty thous principal and interest of said and dollars, have been sold to refunding bonds until fully paid, the State of Nebraska at a price in the same manner as other equivalent to five per cent inter- municipal taxes are levied and of per annum to the expiration collected on all the taxable prop-I optional period, to-wit: June erty now within, or that may in 15th, 1913, and three of the re- the future be within, the corpormaining thirteen of which, a to- ate limits of the City of McCook, tal of fifteen thousand dollars, Red Willow County, Nebraska, have been paid with available such fund to be known as the fands of said city in accordance "Refunding Water Bond Fund" with a repolution passed and ap- and to be used for no other purproved December 21st, 1911, and pose than the payment of the all of which seventeen bonds principal and interest of said have been duly registered by the "Refunding McCook City Wat-Auditor of the State of Nebras- er Bonds." Said bonds so issuka as by law provided and being ed shall be signed by the Mayor due June 15th, 1928, payable af- and attested by the City Clerk ter five years from date and of said city, and the seal of said

forty interest bearing coupons at file objections to the validity of said bends or the proposed ac-Whereas, in addition to said tion relating to the said refundtwenty thousand dollars and after ing, on or before Saturday evensaid payment of fifteen thousand ing, January 13th, 1912, at six dollars, there remains unpaid of o'clock p. m., standard central said "Water Bonds" so issued time, in the office of the City fifty thousand dollars and said Clerk of said city in the regucity is authorized by law to take lar place of meeting of said City up and pay off said bonds when- Council, to-wit: in the Water ever the same can be accomplish. Commissioner's office in the base ed by lawful means, by the issue ment of the library building on and sale or the issue and ex- the west half of block ten in the change therefor of the bonds of original town, now city, of Meaid city, such refunding bonds Cook, Nebraska. If no objecnot to exceed the amount lawfully tions are filed at that time, the owing and unpaid upon the bond City Council of said city will, at or bonds so sought to be taken up eight o'clock p. m. standard cenand paid, and bearing interest at tral time on Saturday, January a.rate and amount per annum not 13th, 1912, at said regular meetgreater than that of the bonds ing place of said Council, order so sought to be taken up and the refunding bonds heretofore paid; and said outstanding un-described to be issued in accordpaid water bonds in the aggre- ance with, and by virtue of, the gate amount of fifty thousand powers granted by sections 8865, dollars may to the advantage of 11279, 11280, 11281 and 11282 of said city be taken up and paid Cobbey's Annotated Statutes of with funds obtained by the issue Nebraska for 1911 and it is furand sale of said refunding bonds ther ordered that said City Clerk of said city or by the exchange is hereby directed to give public therefor of said refunding bonds notice of this action and of the of said city hereinafter describ- date on which and the place where, any tax payer of said city Whereas, the City Council of may file objections to such prosaid city has found and declared, posed action, by publishing a and it hereby finds and declares copy of this resolution for two that the best interests of the city weeks in the McCook Tribune demand that said "Water Bonds' and the McCook Republican, two in the aggregate amount of fifty legal newspapers printed and of thousand dollars should be re-general circulation in said city funded by being taken up and and by posting up a copy of said paid with funds obtained from resolution on the door of said the sale of said refunding bonds, building in which such corporate or be taken up and paid by the authorities hold their stated meetexchange therefor of said refund-ings. Any and all resolutions and parts of resolutions in con-Whereas, there are no funds flict herewith are hereby repeal-

Passed by the City Council of

JAMES McADAMS, Mayor.

L. C. Stoll, City Clerk.

Bids must be addressed to "Coun- said ten "Water Bonds" may be First publication Dec. 25, 1911.