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NORTHWESTERN BELL TELEPHONE COMPANY

COMMUNICATION FROM SUPERINTENDENT SNYDER SAYS TO SPRAY DANDELIONS.

To the Tribune:
Bulletin No. 466 New York Agricultural Experiment Station, Geneva, New York, gives the results of extensive experiments in eradicating dandelions by spraying with a solution of Iron Sulphate. The following is a summary of the bulletin. I would suggest that copies of this bulletin be placed in the city library or that those persons who are interested, secure copies by writing to Director W. H. Jordan, Geneva, New York. It is with pride as a Nebraskan that we note that Dean Thatcher, a product of Nebraska, and the University of Nebraska, is soon to succeed Director Jordan, whose many years of successful work have won him a needed rest.

Experiments made at the Geneva Station during the past eight years demonstrate that dandelions may be eradicated from lawns, at relatively slight expense and without material injury to the grass, by proper spraying with an iron sulfate solution. Ordinarily, four or five applications are required. The first spraying should be made in May just before the first blooming period. One or two others should follow at intervals of three or four weeks; and finally one or two more in the late summer or fall. During the hot, dry weather of mid-summer spraying should be discontinued because of the danger of injury to the grass. A conspicuous blackening of the lawn which follows each application would disappear if the grass is growing vigorously. Of the other common lawn weeds, some are killed while others are but slightly injured by the spraying. Unfortunately, white clover is also killed. Spraying should be supplemented by the use of fertilizers and the application of grass seed in the spring and fall of each year. With proper management it is necessary to spray only about every third year in order to keep a lawn practically free from dandelions.

Our experiments at Geneva, New York indicate that at least three (or usually, five) thorough applications during a season are necessary to eradicate the dandelions from the average lawn in this state. To be the most effective the spraying should be repeated as soon as the dandelion plant has regained new foliage and just before it is full grown—usually when the leaves are three or four inches long. This forces the plants to use up their reserve food stored in the roots, and eventually starves them. On the Station lawns, which were exposed to dandelion seeds from adjoining untreated lawns, it was found necessary to spray every second or third year, and to supplement the spraying with other control measures.

The time of application appears to be important. In our tests, the best results were secured when the first application was made in early spring

after the central blossom buds were formed and before blossoming. The first application should be followed by two or three later ones at intervals of three or four weeks during the spring growing season, and one or two others in late summer or fall. The last application should be made late enough in the summer or fall to prevent the plants from recovering before the close of the growing season.

A suitable day for spraying is one on which there is little wind and slight probability of rain for several hours. The sky may be either cloudy or clear. A heavy dew the following night is advantageous. Spraying should be discontinued during periods of drought in mid-summer, when the grass is inactive and soil is very dry. Serious injury to the grass may result from spraying at such times. As far as possible, it should be arranged to spray two or three days after mowing and to mow two or three days after spraying.

The spray solution is prepared by dissolving one and one-half or two pounds of iron sulphate (also called copperas and green vitriol) in each gallon of water. The weaker solution appears to be entirely satisfactory, and is probably the one to be preferred. Used at this strength the quantity of iron sulphate required for a single application is approximately 175 pounds per acre or four pounds per thousand square feet of lawn. A gallon of the solution will cover about 375 square feet. Iron sulphate for spraying purposes is usually offered for sale in the granular or "sugar" form, which is readily soluble in water. It is comparatively inexpensive, costing, usually, from one to two dollars per bag of one hundred pounds. Since it corrodes metals, the solution should be prepared in wooden or earthenware vessels.

Experience has demonstrated rather conclusively that the effectiveness of the spray solution upon the dandelions depends, to a considerable extent, upon the manner in which it is applied. The best results are secured when the solution is applied in the form of a fine mist-like spray well driven down among the foliage. While fairly satisfactory results may be expected when the solution is applied judiciously with a sprinkling can, it is recommended that some form of a spray pump be used. This kind of outfit selected should depend upon the size of the area to be treated. For small lawns a compressed air sprayer, knapsack sprayer, or good bucket pump with brass cylinder, and equipped with a fine nozzle will

be found satisfactory; while for large lawns a sprayer mounted on wheels is desirable.

The spray solution should be strained through a fine strainer or two thicknesses of cheesecloth to remove any particles which would clog the nozzle.

On stone, cement, metals, and cloth iron sulphate solution produces a conspicuous yellowish-brown rusty stain which is extremely difficult to remove. Accordingly, care should be taken to avoid getting any of the spray on one's clothing or on sidewalks, building foundations, monuments, curbstones and the like. Even the dragging of the wet hose across stone or cement sidewalks will stain them.

After using, the sprayer should be washed out thoroughly with clean water to prevent serious rusting. The working parts of the spray should be kept well oiled.

It is necessary to supplement the spraying operations with at least two other treatment measures, namely, fertilization and reseeded.

W. P. SNYDER,
Superintendent.
IMPROVE YOUR STOCK

of Rhode Island Reds at small cost. I have four splendid cockerels that I have used in the breeding pens that I am through with for this season I will sell them at \$2.50 each. You cannot obtain this blood anywhere for less than four times the money. Plenty of time to use them this season and you will have your cockerels for next season.

J. H. VAN CLEAVE,
NOTICE OF TAKING UP ESTRAY.

Taken up by the undersigned at my place just south of town, County of Lincoln, State of Nebraska; on the 22nd day of May, 1921 one rangy gray horse, five to seven years old—owner pays for the advertisement.

Dated this 24th day of May, 1921.
E. B. PAYNE,

NOTICE

At the annual meeting of the legal votes of school district number 59 of Lincoln County, Nebraska, which will be held at the school house on Monday, June 13th, 1921, at 3 P. M., the proposition will be submitted to the voters of raising the budget of \$1100.00 to conduct the school for the coming year. This will require a levy not to exceed one hundred mills on the dollar of the assessed valuation of said district.

Dated this 25th day of May, 1921.
E. D. ROSE,
Director.

LOCAL AND PERSONAL

J. W. Bennet Jr., of Arnold was a city visitor Tuesday.

I will make Farm Loans at reasonable rates. Gene Crook, North Platte.

Mrs. H. D. Kempton of Curtis visited friends in the city Tuesday.

Strawberries and panases—set them out now. North Platte Floral Co.

Miss Elva Ellington of Granton visited local friends Tuesday.

F. W. Rictor left Wednesday for Sterling to transact business.

Order your shrubs and trees of North Platte Floral Co.

E. W. Chappel of Hershey transacted business in the city Tuesday.

T. Tillman of Ogalalla transacted business in the city Wednesday.

Clinton & Son, Graduate Opticians. Try us for service.

Miss Bertha M. Johnson of Tryon visited friends in the city Tuesday.

First class painting and paper hanging. Elegant stock of wall paper just received. Store at 113 W. Sixth St. Phone 570W. H. H. Landgraf and Edd Friend.

Mr. and Mrs. Louis Spencer of Wallace transacted business in the city Tuesday.

Mrs. C. H. Fairchild and baby came Tuesday from Oshkosh to visit at the F. M. Fairchild home.

Dr. L. J. KRAUSE, Dentist, X-Ray Diagnosis, McDonald Bank Building, Phone 97.

Harry Samuelson returned last evening from Chappell where he attended the state trap shoot.

Porch boxes—we call for them and return them when ready. North Platte Floral Co., Phone 1023.

Mrs. Mary Maxwell of Nemaha, visited her sister, Mrs. S. Timmerman at the E. B. Payne home last week.

Mrs. A. E. Erickson will leave the latter part of the week for Sacramento, Cal., where she will spend a month visiting.

Cabbage plants ready after May 1st. North Platte Floral Co.

Miss Catherine Reynolds returned to her home in Lincoln Wednesday after visiting her sister Mabel who is a teacher in the city.

LEXINGTON PASSES STRINGENT ORDINANCE REGARDING DANCING.

An ordinance was passed by the city council of Lexington at a meeting a few days ago, which makes it unlawful for anyone to conduct a public dance without securing a license from the chief of police, said license to cost ten dollars. The money thus collected is to be used to pay "for the attendance of critics, censors and chaperons to attend said dance." These are to see that dances commonly called "Shimmy, Toddle, Cheek to Cheek, etc. shall not be danced. Not more than \$1.10 may be charged for each ticket.

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MINER HINMAN,
Over Union State Bank Phone 821J

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CALORIC HEAT CUTS BUILDING COSTS
THE CALORIC REQUIRES BUT ONE CHIMNEY—NO EXTRA CHIMNEYS, MANTLES OR FIXTURES NEEDED ONLY 6 FOOT CELLAR REQUIRED

Put a heating system in your new home that will be an investment—that will pay dividends in comfort and convenience—that will positively pay its own cost in the saving of fuel. The famous patented

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has a proven record of saving 1/3 to 1/2 the fuel over old systems. Heats all the rooms in buildings of 18 rooms or less, through one register. An unequalled success in homes in every state. Many in this community.

The money-back guarantee of the manufacturers, The Monitor Stove Company, Cincinnati, Ohio, and over 125,000 satisfied users, protect you and back up your judgement in buying a Caloric.

Now, before house-cleaning is the best time to put in a Caloric. Quick installation in old homes or new. No plumbing nor alterations. And remember—your satisfaction or money back.

Simon Bros.

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ACT right away. Our supply is going fast. "What Edison Likes in Music" is full of worth while things. Go through the list of Mr. Edison's 25 favorites. Get his views on listening to music. Check up—see if you have the 6 selections he thinks every one should possess. Get your copy at once. Come here—if you want to hear or buy any of the RE-CREATIONS Mr. Edison has named. We have the most complete stock of RE-CREATIONS in the city, and are always glad to serve you.

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A QUIET PLACE

to bring your friends to dine. A place where the greatest care is expended in the selection of the food materials. A place where the cuisine is exquisite, where the china and cutlery is tasteful, and the surroundings pleasant. This is such a place. Come and enjoy it.

HOTEL PALACE AND CAFE.

Mutual Building and Loan Association
Of North Platte, Nebraska
Resources \$1,477,321.69.

In order to provide funds for approved loans this Association will issue a limited amount of its Paid Up Stock. This stock draws dividends at rate of six per cent per annum, payable March 1st and September 1st. Money invested in this stock can be withdrawn at any time on thirty days' notice.

T. C. PATTERSON, President.
BESSIE F. SALISBURY, Secretary.