

Educational Department

Conducted by County Superintendent Crocker.

Love of work is the chief element of success.

Why should it require 18,000 officers to manage 6,000 teachers in the rural schools of this state?

We are proud to know that the Richardson Co., contestants who took part in the state spelling contest were winners.

The next session of the Richardson county institute will be held in Falls City during the third week in August

Kenneth Heacock will represent the Preston school in the second annual debate of the high schools of Richardson county.

Josephine Duras has been called to a position in the Humboldt high school to succeed Miss Ellis, who resigned on account of sickness.

The Preston teachers report that the measles are interfering to considerable extent with the attendance and progress of the school work.

The next meeting of the Richardson County Teachers association will be held in Falls City, March 11 and 12. A prominent feature of this meeting will be the Richardson county inter-high school debate.

Dist. No 69—Miss Grace Bain, teacher. "Well begun is half done and a good beginning is half the battle." Our enrollment is 41. Pupils are putting forth their best efforts. I am enjoying the work very much.

Hugh Phillips, of the Omaha Commercial college, has sent in the following problem for the pupils of Richardson county. Find the exact length of one side of a square acre. Send solutions to county superintendent.

The salaries paid the school officers in some of our rural school districts amounts to more than the amount paid for books. The Nebraska Teacher says in part, "Have we gone to the extreme of democracy in officering our country schools?"

Bea Riley, teacher Dist. 67. We have four new pupils since Christmas, total enrollment 42. We have received our new book case, it is a beauty, with two glass doors and four shelves. The pupils are keenly interested in our new library.

Dist. No 42—Ethel Hummel, teacher. Our school gave a basket social Dec 18th. Twenty-one

baskets were sold. Net receipts were \$45.95 which will be used to start a library. We are getting along nicely and the pupils seem interested in their work.

The next meeting of the South-eastern Nebraska Educational association will be held in Beatrice, March 30, 31 and April 1st, and State Supt. Stetson of Maine, will be present and address the association. Another prominent feature will be the inter-high-school debate.

The physics classes of the county have been asked to send in solutions of the following problem: A plank 12 feet long, and weighing 24 lbs. is supported by 2 props, one 3 feet from one end and the other 1 foot from the other end. What is the pressure on each prop?

The following solution is given by J. F. Relf of the Salem high school; Let A B be the board, C and D the props. AC equals 3. BD equals 1. Let P be the center of the board which is also the center of gravity of the board. Then the entire weight is concentrated at P. CP equals 3. PD equals 8. Let W equal the pressure at C. 24-W equals pressure at D. Then 8W equals 120. W equals 15 lb and 24-W equals 9 pounds.

The following solution is by Harry Gardner of the Falls City high school:

Given AB, a plank, 12 ft long, weighing 24 lbs, supported by C D, C being 3 ft from A and D being 1 ft from B. To find pressure on C and on D respectively.

Let E be point 2 ft from A. It is evident that if we consider EB as separate from AE that its weight, ten-twelfths x 24 is equally supported by C and D, each sustaining 10 lbs. Then regarding C as a fulcrum, apply AE.

It is evident that the pressure at D varies with the difference in downward pressure existing between the two arms of the lever taking C as a fulcrum.

Without AE the difference is as follows—
CB weighs 18 lbs with an average leverage of 4 1-2 ft. CE weighs 2 lbs with an average leverage of 1 1-2 ft. $(18 \times 4 \frac{1}{2}) - (2 \times 1 \frac{1}{2})$ equals 81-1 or 80.

With AE the difference is as follows

CB weighs 18 lbs with an average of 4 1-2 ft. CA weighs 6 lbs with an average leverage of 4 1-2 ft. $(18 \times 4 \frac{1}{2}) - (6 \times 1 \frac{1}{2})$ equals 81-9 equals 72.

Therefore it is evident that by the application of AE the downward pressure of CB and conse-

quently the pressure at D is reduced eight-eightieths or one-tenth.

Therefore the pressure at D equals 10 lbs - (one-tenth x 10) equals 9 lbs.

The pressure at C equals 24 lbs - 9 lbs equals 15 lbs.

The following Richardson county teachers attended the state teachers association, Cora Botts, Mable Bridges, Geo. Crocker, R. L. Hoff, W. R. Johns, Anna Martin, Minnie McDonald, W. H. Pillsbury, Mrs. Pillsbury, Oscar Schlaifer, Maude Smith, E. S. Tobie, R. W. Unsell, and I. G. Wilson.

The school in Dist. No 7 has been discontinued and the school board has contracted with Dist. 76, Stella in accordance with Sec. 4c, subdivision 5 which provides for the instruction of pupils from one district in a neighboring district. The pupils are furnished transportation and Frank Withee drives the wagon. This makes four districts in Richardson county taking advantage of Section 4 subdivision 5.

The following changes have taken place during the past few weeks; Ollie Bain is a new teacher in Barada; Miss Sutton succeeds Miss Moore in Dist. 21; Miss Duras succeeds Miss Ellis in Humboldt high school; H. L. Kloepfel has resumed his work in Dist. No 50; Clare Foster who has been teaching for Mr. Kloepfel during his recent sickness succeeds Grace E. Wickham in dist. 104; H. M. Schaffer is teaching in district No. 60 and Miss Oliver has succeeded Miss Sutton in district 97. Mrs. I. G. Wilson is a new teacher in the Stella schools; Miss Rothenberger has succeeded Miss Dye in district 101.

LOCAL AND PERSONAL

Jacob Auch of Dawson was in town Saturday.

George Cleveland spent Sunday in Pawnee City.

Ray Linn of Humboldt spent Sunday in this city.

J. A. Heim came down from Dawson on business Saturday.

Will Uhlig went to Humboldt on business Tuesday afternoon.

J. D. Schrauger of Humboldt was a Falls City visitor Saturday.

M. Riley of Dawson made a business trip to this city Saturday.

H. Kleckner of Auburn was looking after business interests in town Saturday.

Ed Fisher went to St. Joseph, Saturday on a combined business and pleasure trip.

Grace Haner of Hiawatha is spending the week here with her parents, W. E. Haner and wife.

W. A. Stuart and wife of Okmulgee, O. T., are in the city visiting Mr. Stuart's parents, Mr. and Mrs. P. H. Jussen.

There was a fair sized audience present at the production of "A Homespun Heart" at the Gehling Monday night. The show hardly came up to expectations.

Tuesday was groundhog day and when the little beast thrust his head out of his hole he saw his shadow and we all know what to expect. Its a case of hard luck but it can't be helped.

Vye Mettz came down from Pawnee and spent the latter part of the week visiting in this city. He left for Louisville, Ky., to take a position as traveling salesman for Ridgely Walker & Co., tailors and designers.

Concert and Ball

TO BE GIVEN BY

Harnack's Military Band

ASSISTED BY

The Arions

AT

Jenne's Opera House

On the evening of

Wednesday, Febr. 10th

Admission, 35c; Children Free

Dance Music by Good Orchestra