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**Talent Experiment Station Appreciated**

In a recent issue of your paper appeared a valuable and interesting article by Professor F. C. Reimer, director of the Southern Oregon Experiment Station, Talent, Ore., calling attention to the elaborate series of fertilizer experiments that the station has been conducting during the past three years and giving special mention of recent tests on alfalfa where applications of materials containing sulphur, either alone or in combination with recognized plant feed, gave marked increase in yield.

The writer read the article with much interest not only for the information therein but also because he has been rather closely in touch with the work of the station under Professor Reimer's regime and appreciates that the fertilizer work is only one of the many lines of valuable research work in progress at that station that will develop results of immense importance to the valley. At the same time many of our farmers perhaps do not realize the dollar-and-cents value to themselves of the experiment station work, and it is with the hope of emphasizing the value of the fertilizer tests that the writer would like to make some additional comment on the article in question. In no respect, however, should this comment be taken as disparagement of the tests described, which the writer has seen and which seem to be the only field trials ever made on alfalfa with sulphur and phosphorus-sulphur combinations.

Recent experiments by French and German agricultural scientists along lines somewhat parallel to those followed by Professor Reimer but with different crops are confirmatory so far as the results are comparable. In 1910 experiments reported in the Deutsche Landwirthschaftliche Presse demonstrated the value of sulphur as an agent in checking potato diseases like scab and also showed that it increased the yield of potatoes and mangolds. Its value was greatest when used in combination with commercial plant food.

The following year experiments were reported in the Journal d'Agriculture Pratique involving the use of sulphur in combination with phosphorus, potash and nitrogen on beets and potatoes. The amounts of sulphur used varied from 225 to 450 pounds per acre. These trials were also in line with the local trials in showing an increased yield in almost every instance.

After these experiments Boullanger and Dugardin made an elaborate series of parallel tests involving the use of sulphur and sulphur combinations on sterilized and unsterilized soil. The yield on sterilized soil was very much less. This led the experimenters to conclude that sulphur acts as a bacterial stimulant rather than as a plant food. Their conclusion was given to the French Academy of Sciences in the following words:

"The fertilizing value of sulphur is due to the influence it exerts on the ammonifying bacteria as well as on the nitrifying micro-organisms. In the presence of sulphur the plant finds larger quantities of directly assimilable ammonium salts, and this favorable modification of nitrogenous plant food is followed by important increases in crops analogous to those following the use of ammonium sulphate. Nevertheless, it is a matter of importance to be borne in mind that the ammonia thus formed by the bacteria is produced exclusively from the nitrogenous substances in the soil and that the addition of organic nitrogenous fertilizers to the soil is necessary in order to counterbalance the greater withdrawal of nitrogen by the plants."

Very recent and complete chemical analyses of various farm crops, including alfalfa, by both the Ohio and Wisconsin experiment stations, confirm Professor Reimer's statement that the sulphur content of most crops is much higher than was formerly supposed. This fact was brought out by improved methods of analysis. Crops containing large amounts of

protein, like alfalfa, contain more sulphur than crops with a low protein content, like wheat and corn. Some sulphur is present in all soils and some sulphur is present in all rain water. Dr. Hopkins states in this connection that long-continued investigations at Rothamstead, England (oldest agricultural experiment station in the world), and elsewhere show that an average rainfall brings to the soil about seven pounds of sulphur per acre per annum, or one pound more than would be required for a 100-bushel crop of corn. And, further, that in addition to the sulphur in the soil and that brought to the soil by rain there is an unknown amount of sulphur absorbed by the soil directly from the atmosphere. On this subject the Ohio Experiment Station states: "For cereal crops the supply of sulphur in the soil, together with that added by the rain, is amply sufficient, but for heavy yields of leguminous plants, like alfalfa, recourse to other supplies would seem necessary. When superphosphate is used as a carrier of phosphorus it also supplies sulphur. One hundred pounds of 14 per cent superphosphate contains 11 pounds of sulphur."

The fact that the soils of the Rogue River Valley, like most of the soils of the Pacific coast region, are inclined to be low in phosphorus, particularly when long cropped in grain, indicates that perhaps the most rapid method of restoring and increasing fertility would be the growing of leguminous crops, for their nitrogen-gathering ability, and the addition of phosphorus and sulphur in some readily available form, like superphosphate. It is particularly worth noting that in buying superphosphate the farmer pays only for the phosphorus therein and receives free the sulphur and lime, which superphosphate also contains, as stated in Professor Reimer's article.

RALPH W. ELDEN,  
Central Point, Ore.

Every man is a part of this town. The town embraces the fortunes, and in some measure at least takes on the character of the man. So loyalty to one's town is no more than loyalty to one's self; and this loyalty is in the line of all well-shaped human nature. Therefore it is right to say that the man who does not stand up for his town is in some way dwarfed.

Much of the charity that begins at home is too feeble to cross the street.



**Meals on Time**

A good oil stove gives full heat just as soon as it's lighted. There's no waiting for the fire to catch up or the oven to heat. Meals can be started later and still be served right on time. That means less work and less time in the kitchen.

**New-Perfection OIL COOK STOVE**

burns kerosene, the clean, cheap fuel and gives an intense heat that can be regulated just as you want it. It does all sorts of cooking and baking just as well as a wood or coal stove—and without tainting the food. Don't cook in a hot kitchen this summer. Don't lug coal and wood and ashes. Get a New Perfection. It saves all this trouble and it's economical, too. Ask your dealer for the New Perfection.

**Standard Oil Company**  
(California)  
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FOR BEST RESULTS USE PEARL OIL

**NOTICE OF ANNUAL SCHOOL MEETING.**

Notice is hereby given to the legal voters of School District No. 5 of Jackson County, State of Oregon, that the annual school meeting of said district will be held at City Hall, to begin at the hour of 2 o'clock p. m. on the third Monday of June, being the 15th day of June, A. D. 1914.

This meeting is called for the purpose of electing one director and the transaction of business usual at such meeting.

Dated this 3rd day of June, 1914.  
J. P. LODGE,  
Chairman Board of Directors.  
Attest: H. F. POHLAND,  
3-2-Thur. District Clerk.

Ruth York returned Saturday from her school at Waldo, in Josephine county.

**LOCAL S. P. TIME CARD.**

	Northbound.	Leave
No. 14	.....	7:50 a.m.
Grants Pass motor (main line depot)	.....	9:30 a.m.
Grants Pass motor (city depot)	.....	9:40 a.m.
Grants Pass motor (main line depot)	.....	3:40 p.m.
Grants Pass motor (city depot)	.....	3:50 p.m.
No. 16	.....	4:30 p.m.
	Southbound.	Arrive.
Grants Pass motor (city depot)	.....	9:00 a.m.
Grants Pass motor (main line depot)	.....	9:20 a.m.
No. 13	.....	11:35 a.m.
Grants Pass motor (city depot)	.....	3:10 p.m.
Grants Pass motor (main line depot)	.....	3:20 p.m.
No. 15	.....	4:50 p.m.

**You Need Not Have Grey Hair**

You can positively restore grey or faded hair to its natural color by the use of

**Hay's Hair Health**

It cleanses the scalp, softens the hair follicles, and produces a thick, luxuriant growth. Results are guaranteed. If you are not entirely satisfied with Hay's Hair Health your druggist will refund the purchase price.

50c and \$1 at your druggist's. Sample bottle sent for the seal, dealer's name. Hay's Hair Health Co., Newark, N. J.

FOR SALE BY J. J. McNAIR, EAST SIDE PHARMACY.

**The People's Forum**

Ashland Lots Bought.  
Columbus, Ohio, June 2, 1914.  
Editor Tidings: Charles H. Bartow has sold two 50-foot lots on Woolen street or Scenic Drive to Rev. Paul Johnson and wife of Columbus, Ohio. These lots are numbered 7 and 8 of the plat recently filed of the old Bartow place, corner Woolen and Manzanita streets, and the price realized for the two lots was \$11,250.

Mr. and Mrs. Johnson spent part of two summers in Ashland and fell in love with this section, and were much impressed with the climate, scenery and other natural advantages. While here Mr. Johnson often admired the view from these lots, which are at the highest point of the Scenic Drive and cannot be obstructed, and expressed a wish that when his evangelistic work was finished he might have a bungalow there and make it his permanent home.

Mr. Bartow has some California parties who are figuring on purchasing two more of these lots.

**Mount Ashland Resort Feature**

Few of the people of Ashland really know the wonderful scenic beauties that we of Ashland have within our midst. Ashland is to be a big watering resort. As such it will bring a large number of people who will come only to look at and enjoy what they can.

Anyone who has taken the trip up to Mount Ashland can vouch for its beauty and scenic qualities. Within a half day's walk one can be on the snow line of a beautiful mountain, from which one can gain a view over the surrounding country that cannot be surpassed. As one who has been in practically every nook and corner of southern Oregon, the writer can truthfully say that Ashland creek canyon beats anything in this section of the country for its shady retreats and cool haunts, that are built especially to shelter a picnic party from the hot sun of summer, or to furnish a quiet place for a business man's Sunday rest.

The usual class of people who spend their time at watering resorts are people that are enthusiastic mountain climbers, hunters, lovers of scenery, etc. We have all these requirements within fifteen miles of the city limits. But we must do our part. From Long's cabin the state has constructed several miles of fine road, which extends to the ridge. This road is a fine wide road that is graded to an easy slope. It would be an ideal highway for autos.

Below Long's cabin to Ashland there is seven miles of miserable, rutty, rocky road that cars cannot negotiate safely. This means that in order to get to the good road built by the state, the wagons or cars must clamber over the mud holes, rocks and narrow ways. This fact absolutely renders the state road useless. What we must do is to see that the road up the canyon be fixed properly for autos and buggies. This will make Mount Ashland accessible to the large number of people that are eager to climb its slopes.

Ashland is just waking up to a realization of the wonderful advantages she possesses. Let's boost.

When the people can be made to understand that it actually costs more in time and money to travel over a poor road than it does to travel over a good one, they will be less inclined to begrudge the expense of good roads; and what is more important still, will be willing and anxious to put the business of road making into the hands of intelligent men who understand the business. Poor roads are the expensive things that curse a country district.

Make it "Ashland the Beautiful."

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The Tidings has one of the best equipped plants for commercial printing in Southern Oregon, and is prepared to turn out first-class work in the line of

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- Placards
- Circulars
- Envelopes
- Bill Heads
- Letter Heads
- Calling Cards
- Business Cards
- Dance Programs
- Wedding Invitations
- Wedding Announcements
- Tags, Tickets, Labels
- Notes, Receipts, Etc., Etc.

ASHLAND TIDINGS  
Phone 39.

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He must keep his ad at work. It must be THERE when the possible buyer looks—and he might not look more than one day out of ten. Of course, he might see and investigate it on its first publication, or perhaps, the fifth or sixth time it appears. The good advertiser knows that, however persistent a campaign may be required, the cost will be an easily forgettable thing when the sale is made!

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"WHY THEN DO YOU CAN UNDERSTAND IT?"

A GREAT Continued Story of the World's Progress which you may begin reading at any time, and which will hold your interest forever. You are living in the best year, of the most wonderful age, of what is doubtless the greatest world in the universe. A resident of Mars would gladly pay—

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to this magazine, in order to keep informed of our progress in Engineering and Mechanics. Are you reading it? Two millions of your neighbors are, and it is the favorite magazine in thousands of the best American homes. It appeals to all classes—old and young—men and women.

The "Shop Notes" Department (20 pages) gives easy ways to do things—how to make useful articles for home and shop, repairs, etc.

"Amateur Mechanics" (10 pages) tells how to make Minton furniture, wireless outfits, boats, engines, magic, and all the things a boy loves.

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Special attention to ladies travelling alone.

Excellent, reasonably priced grill. Meet your friends at the Manx.

European Plan Rates \$1.50 up. Take our buses or Geary St. cars.

Management, Chester W. Kelley

**Cunningham & Co.**

**Give These Properties Your Attention**

You have often thought how nice it would be to own a country home, at the same time you did not like the idea of giving up those conveniences that you were used to in the city. If you owned the following described property you would miss none of the conveniences of the city, and at the same time you would have a place that will steadily increase in value.

This place consists of 57 acres, 45 acres of which are in alfalfa, 10 acres in eight-year-old Newtown apples, with peach fillers. A five-room modern house; irrigation for the garden; two large barns; a one-room house for help; electric lights. One mile from town.

The price of this place is \$20,000; part cash, easy terms on the balance.

We have a ranch in Siskiyou county, California, of 360 acres, 20 acres of which are watered. This 20 is bottom land. 160 acres of dry cultivated land. There are 10 acres of alfalfa and quite an acreage of wheat. The balance of the place is good pasture. The owner of this place has good reasons for making a change, and we are offering the place for less than \$10 per acre. Now if you have been looking for something cheap in price, you need look no farther.

We have a home, within ten minutes' walk of business center. Consists of about two acres of good land, plenty of full-bearing fruit trees, and other young fruit coming into bearing; different varieties of berries; large garden. A seven-room house, good barn and other outbuildings. For the family that wants a home with plenty of room, where they may have cows, horses, chickens, etc., this is an ideal place. For the man who is looking for an investment it is a good buy, as it is nicely situated for subdivision. We are offering this place at \$4,500. Part cash.

These places will not be on the market very long.

**Cunningham & Co.**