

Merry Christmas

Make your friends happy by giving a useful present. We have

**Coats, Suits and Furs
Hats, Gloves
Silk Waists
Dress Patterns
Handbags Silk and
Scarfs Messaline**

A handsome line of Table Linen and a thousand other things. All trimmed hats at cost. Plumes, Fancy Feathers, Wings and Hat Trimmings at a great reduction

STILTS DRY GOODS COMPANY

GRAIN-HAY-WOOD

Delivered to You

**Barley, Wheat, Oats,
Mill Feed, Alfalfa Meal**

**BALED Alfalfa, Wheat HAY
and Timothy**

**Quality Best
Service Prompt**

Get Our Prices

O. K. Transfer Co.

Phone 871

FOR SALE

WELL IMPROVED FARM of 600 acres, 10 miles Southwest of Klamath Falls. Will sell as a whole or in part. Terms, part down, the balance in deferred payments.

Apply to
R. A. EMMITT
at the Post Office.

BICYCLES

For an up-to-date wheel get a Rambler, on sale at The Gun Store. Tents and Gins for sale or for rent. We carry a full line of Sporting Goods

THE GUN STORE
J. R. CHAMBERS
Phone 593 Opposite Am. Hotel

Wood

Four Foot Dry Slab Wood
\$3.50 a Cord
HUTCHINS & FAUGHT

THE FARAWAY STARS

Their Color Serves as an Index to Their Age.

WHAT MAKES THEM TWINKLE?

Two Theories That Deal With This Astronomical Enigma—The Intervention of Fragments of Disrupted Worlds or the Effect of Air Currents.

This is a question that has exercised more than one gentleman of science. Of course it is known that only the stars twinkle, the planets giving out a steady light. That is the way we tell a star from a planet with the naked eye.

But why does the star twinkle at all? The answer to this seems to be on account of the greater distance of the stars, the nearest fixed star being several thousand times farther from us than the farthest planet. So around this as a starting point have been built two theories. One is that as the visual angle, or angle subtended by the star from the eye, is so very small that very small bodies in space coming between the star and the eye would give the effect of twinkling.

Now, as regards those small bodies actually being in space as hypothesized there is no doubt, for there are millions of fragments of disrupted worlds flying around in orbits about our sun. The only question is whether there are enough to cause the eternal twinkling that is observed. Science cannot say that enough do not exist, for she cannot perceive the existence of the smallest fragments that actually could cause this effect, even with her finest instruments.

To illustrate, then, my meaning as regards this covering of the visual angle, suppose you take a dime between your thumb and finger and hold it between your eye and the moon until it just covers the moon. It will be found to be quite close to the eye. Now take a quarter and hold it so that it just covers the moon. Its distance is at once seen to be about four times the dime's from the eye. Thus it is seen that the farther outward the object is placed the larger the object necessary. This is in accord with what is known as the law of inverse squares.

But now take a dime or even a pin head, and no matter how far you hold it from the eye it will easily cover the largest star in the heavens. This is on account of the enormous distance of the star, the lines drawn from its sides to the eye including an angle so minute that almost anything will fill it. So thus we see that this theory is not impossible, though perhaps somewhat improbable.

The other theory bases its argument on the air currents. Air currents are caused by light and heated air rising and cold and heavy air taking its place. Now, when light goes from a heavy to a light gas, or vice versa, it is bent one way or the other. No this would certainly happen to the light from all the heavenly bodies. The reason it is not noticed in the case of the planets or the sun is that they send us many more rays as compared to the stars. Many reasons are put forward to show the truth of this theory. A star twinkles more on the horizon than it does in the zenith, for its light has to come through a greater thickness of atmosphere; also greater twinkling is observed in winter than in summer, and when rapid and brilliant twinkling is seen it is a very good prophecy of rain or snow, as it shows the upper regions of the air to be in a state of rapid motion of varying air currents, hot and cold currents meeting, commingling and rotating probably.

This also accounts for the changes in the brightness of a star, for at times a part and not all of its light is bent away from the eye. It has been noticed also that a star's color has something to do with its twinkling on account of the different refractivities of the different colors. A white or blue star, such as the log star, twinkles most; next comes the yellow and last the red. If one cares to look for a red star, Betelgeuse is one and can be found in one corner of the constellation Orion.

A rather interesting thing has been ascertained in astronomy as regards the relation between the color of a star and its age. The white or blue stars are considered young or in the prime of life, with many more million years to their career, while a red star, as Betelgeuse, is on the wane and will gradually go out in the next few million years. See if it doesn't! The yellow stars of course come between the blue and the red in point of age. It is encouraging to find that our own sun is classified as a white star. — A. L. Hodges in Cincinnati Commercial Tribune.

Weighing Diamonds and Gold. The weight of diamonds and other precious stones is expressed in carats, grains and quarter grains. They are pearl grains, one of which is equal to four-fifths of a Troy grain. Four quarter grains make one grain and four grains one carat. The fineness of gold is also expressed in carats. Pure gold is twenty-four carats fine. The carats, therefore, indicate the proportions of alloy. Most of the gold used by jewellers is about fourteen carats fine, having ten parts of alloy.

The Possibility. The peasant stands beneath the tree of prosperity and grows when the fruit falls on his head.—Success Magazine.

He is often the wisest man who is not wise at all.—Wordsworth.

Just Arrived

Largest and most complete line of Art Squares, B. B. Brussella, Axminsters, Tap. Brussels ever shipped into Klamath County

Plenty of Linoleums, Matting, and Ingrain Carpets

GILLETTE'S FURNITURE HOUSE



HINTS FOR STOCK OWNERS

From December Farm Journal
A man with only one cow or one sheep should care for that one—see that it has plenty of fresh water and good feed—as if he had a hundred. There's where the honest pennies come in.

Pigs will take good care of themselves if provided with the means for doing it.

As a rule hogs that weigh about 250 pounds are most in demand in the market. When heavier there will be some fault found.

There are many breeds of hogs, and all have their partisans; but any hog is a good hog that will keep on growing into money every day. However, no breed will do this without intelligent care.

A blanket is to a horse what an overcoat is to a man. He needs it when not in active work.

It is best to turn colts in the open paddock or small field near the stable every fine day for exercise.

One great reason why we have to use medicine for sick horses is that we do not use good sense in feeding and caring for them.

If you do not want your horses to look like buffaloes next spring you must keep using the currycomb industriously and thoroughly every day.

Go down to the barn every night after supper and see that everything is all right with the stock.

Better sell half the stock and give all of the feed to what remains than to stint the whole herd.

How many thousands of dollars are farmers going to lose during the coming winter by letting the stock run down?

Give the man who is inclined to smoke in the barn a kindly invitation to do his smoking somewhere else. In half an hour one spark of fire can undo the work of years.

The windward side of a fodder stack is a poor place to fatten sheep. If the most profit is to be realized, lambs should be well finished before being marketed.

Protect sheep from cold rains. The fleece will hold a large amount of water, and it takes a long time to dry.

To sell a half-fat lamb is a losing transaction.

Inexperienced feeders have sold lambs supposed to be fat which more experienced feeders purchased and finished, and thereby reaped the bigger profit.

A Small Favor
Lady in touring car beckons to pedestrian.

"Will you kindly do me a small favor, sir?"

"Certainly, madam."

"Then please stand out in the highway and let me see how quickly I can stop my car without hitting you. I'm afraid this brake is out of order."

To Be Sure
Spinster—I wish the Lord had made me a man.

Smart Nephew—Perhaps he has, only you haven't found him yet.—Lippincott's.

Just Possible
"Man was made to mourn," quoted the moralizer.

"Yes," rejoined the demoralizer, "and woman was made to see that he does it."—Chicago News.

RAMSEY'S EXPRESS

If you want your stuff moved and moved quick, get Ramsey's Express to do it. Office at Sixth and Klamath. Phone 123.

All Xmas presents wrapped in nice boxes and handsomely engraved free at Winter's.

Axminster, Body Brussels and Wilton

**RUGS
9x12**

Just Arrived from Factory

Complete line at DOLBEER'S

China and Glassware

Don't you want some nice Dinner Ware, Fancy Plates, Tumblers, Jardinieres, Ornaments, Chamber Sets, Water Coolers, Freezers—things useful and ornamental for your home and table? We carry such beautiful China as the Harland in plain and gold trimmed. See our extensive display. The largest stock in the city and at such low prices.

GEO. R. HURN

HARDWARE DEALER

LAND ON THE LAND IN KLAMATH LAND

Some Choice Homestead Locations in a District that will soon have Transportation.
IT IS YOUR CHANCE

See Captain O. C. Applegate About It

FRANK IRA WHITE

Fifth Street, near Main,

Klamath Falls, Oregon

NOTICE

I beg to advise the public that I have purchased the meat market formerly known as "Ludtke Market." I will carry a full line of all kinds of meat and poultry, and will make a specialty of bacon and hams. Your patronage is solicited, being assured of only the very choicest that the market affords. My prices will be very reasonable.

J. KONOP

FORMERLY WITH THE CITY MEAT MARKET