Do You Know?

WORTH WHILE THING EACH DAY

Common Things-How they mains but empty space. Customs, Birds, Plant Life, Miscellaneous.

What is a vacuum? How to boil water without Heating it?

How is condensed milk made? What is a Barometer?

How does it foretell the 12. weather? What other uses has the Baro-13.

meter? 14. How does the air hold up the heavy airplane?

CORRECT ANSWERS GIVEN NEXT WEEK See how many you can answer

by that time WILL EMBRACE THE THEY FUNDAMENTALS OF A LIBERAL EDUCATION- Get a scrap book and keep for future reference. (We invite constructive suggestions or criticisms).

Answers to Last Weeks Questions

1. Ordinary air is about 20 parts oxygen gas, 80 parts nitrogen gas; also contains small amounts of other gases and more or less moisture. These gases are not chemically These gases are not chemically combined, but simply mixed together—as distinct as so many hearing to the brain. grains of wheat and corn mingled together in a measure.

bustion, also absolutely necessary give the different sounds. The low to sustain life. The principal func- est sounds are caused by vibration of the other gas (nitrogen) seems to be to dilute the oxygen. High shrill sounds have vibrations which

As we rise in a balloon or airplane or climb a mountainside, range of human hearing, or what the air constantly gets thinner Half the air is within four miles of the earth. At 20 miles the air is 100 times thinner than at sea level. Small balloons containing automatic recording instru-

pear herein each week, pertaining appears entirely and nothing re-

work, Story of the stars, The earth, 3. Practically all life is below Life, Electricity, Radio, History, the four-mile level. The highest waves in the ether, to slow down Geography, Economics, Law, health, point to which a bird can fly is Man, Ani- five miles. The Condor, the mightiest bird awing, has been seen soaring above the summit of the Andes or frequency, of human hearing, at an altitude of five miles. Small or what is called Audio Frequency airplanes and balloons, drop over mountaineer is five miles, where spinning there is more air resist It is necessary to carry oxygen gas the ball to one side in a curved to avoid great physical suffering at these extreme heights.

> 4. Just inside the ear drum, very thin elastic membrane stretched tightly across the ear opening similar to a drum head. Sound waves in the air strike against the ear drum and cause it to vibrate back and forth very rapidly. Directly back of and touching the car drum is a set of three small, loosely-connected bones which pass the vibrations of the ear drum onward to a little bag or sac, that is filled with a liquid substance and sets this liquid in to motion. The ends of the nerve of hearing are embedded in this bag and spread out into the liquid

5. Variations in the rapidity of The oxygen is essential to com- the air waves hitting the ear dram tions as slow as 20 per second would otherwise be too as high as 10,000 or more per second. Air vibrations between 20 and 10,000 per second cover the cannot perceive any sound from air vibrations that are slower or more rapid than the Audio Frequency range.

6. Radio waves are vibrations in have reached 30 miles. We the ether; sound waves vibrations city in volume of building, for 11 by light streaks made by in the air. So far as known, the months of 1926.

the so-called "shooting stars" that strongest radio waves have the air reaches at least 40 or 50 direct effect on the hearing. Ties miles. At 50 miles the air is so usual frequencies, (vibrations), if A NEW WAY TO LEARN ONE extremely thin that this is usually radio waves are 500,000 to more given as its height. It is not like- than a million per second. Any ly there is a uniform upper boun- frequency (rapidity of vibration) (Copyright, 1927, Frank Collier). dary to the air, but that it grad- above the range A huran hearing A set of seven questions will ap- ually gets thinner until it dis- is called Radio Frequency. You will at once perceive that the function of the radio receiving set is to receive these rapid radio the number of vibrations per second and to convert them into air waves, or sound, that are within the range, birds and insects carried up by 7. When delivering the ball the pitcher gives it a peculiar twirl nsensible at two or three miles. or spin. On the side of the ball The greatest height climbed by a in the direction in which it is breathing was found very difficult. ance than on the opposite side. Man has risen in an airplane to This resistance increases until it about seven and one-half miles. becomes strong enough to force line. The ball simply follows the line of least resistance. Different curves are thrown by changing the direction of the spin and varying the velocity of the spin in proper tion to the speed of the ball.

> CHRIST FOR ALL-ALL FOR CHRIST The Word Lot God Thy word is a lamp unto my feet, and a light unto my path .-- Frain 116: 10: BIBLE THOUGHT AND PRAYER If parents will have their children memo-rize a Bible selection each week, it will prove

a priceless heritage to them in after years STAY WITH THE LORD:-T Lord is with you, while ye be with him; and if ye seek him, he will be found of you; but if ye forsake him, he will forsake you II. Chronicles 15:2.

seek Thee now when Thou mayest be found, and call upon Thee whi st mu Thou art near, for this is the day of Thy salvation.

QUESTIONS AND BIBLE ANSWERS

If parents will have their children memorize the answers in the Bitle vais known as Audio Frequency. One Citations, it will prove a priceless of prowing old. Thrift did it. heritage to them in after years.
Why did Jesus say unto all, both
young and old, Watch?

Portland ranks 16th American

OREGON BANKERS, Y. M. C. A. SPONSORING THRIFT WEEK

National Thrift week, which has grown to be one of the outstanding events of the year throughout the United States, is being sponsored again in this state by the Oregon Bankers' association, the Y. M. C. A. and other organizations. Practically every city and town in Oregon will observe it. The whole movement is designed to improve the living conditions in every community and to inspire individuals and groups toward more careful methods of conduct, to the end that a happier and more prosperous America may result. The week always opens January 17, the birthday of Benjamin Franklin, the great thrift example of our times.

Tample of our times.

The 1927 daily schedule follows:
Monday, January 17, National Thrift
lay: Tuesday, National Budget or Home
Sconomy day: Wednesday, National Life
nsurance day: Thursday, National Safe
nour Home day: Friday, National Safe
nvestment day: Saturday, National Pay
Sills Promptly day: Sunday, National
Share With Others day.

Ten rules for a successful and happy

th Others day.

es for a successful and happy
roposed by the thrift committee:
and earn; 2. Make a budget;
expenditures; 4. Have a benk
5. Carry life insurance; 6. Own
e; 7. Make a will; 8. Invest in
rities; 9. Pay bills promptly; 10.
h others.

THRIFT WAS THE DIFFERENCE

By BEN HUR LAMPMAN Editorial writer Morning Oregonian author of "How Could I be Forgetti I once knew a man, employed by public service corporation, at a fixed scale of wages shared by thousands of others performing

B. 84

the same work whose family was destitute. When a son died suddenly it was necessary for the corporation to advance funds for burial. This man. though in many re spects an excellent fellow, fostered a be-

Ben Hur Lampman lief that he was inhused and had never had a

I knew another man, engaged at the ane employment, from which he der ed not a penny more or less, s family was in most comfortable circumstances. He and his wife have no opposessions concerning the ading years. They are not afraid

John W. Gates, in Hillsboro, raises best acre of fibre flax in Oregon.

Clatsop county has issued 310 commercial clam-diggers license

For SALE or TRADE

I have a 40 acre ranch that I will sell, or trade for town property. Thirty acres under cultivation and 10 acres in timber. Good house and nicely fixed inside.

If you know where it is call and see talent at Eugene. If you don't know where it is, in- 5,021 cars shipped

quire at the Eagle office for Ratcliffe and I will be glad to show you where it is.

Oil test wells are to be bored in Harney valley, this year at Crane.

Broadcasting station opened It is the former Mellinger ranch here, to use University of Oregon

it. It is 11/2 miles from town on! Oregon's apple crop for 1926 stony point road below city resevoir. estimater at 5,100,000 boxes, with

FADA

ATWATER KENT

Fenner Radio Shop

SETS - SERVICE - ACCESSORIES Battery Charging

COME IN AND SEE US FOR

Fada Radios Atwater Kent Radios Radio Service Savage Washers and Dryers. New and Used Pianos. Sheet Music. WE GIVE EASY TERMS

BRICQUETS GASCO

For a steady hot fire at a price you can afford to burn them.

\$17.50 Per Ton

With Rebate of 10c Per Sack.

If its anything in the FEED LINE---WE HAVE IT.

Vernonia Trading Co.

SALE STOPS SALE STARTS January 22. January 14th

It is necessary to clear our shelves of a large assortment to make room for new merchandise coming in. We are therefore offering you the following high grade goods at astoundingly low prices. There are no "leaders," unless they could all be called leaders, for, without exception, we have marked down the prices on all those listed below and many other articles for which there was not room. Remember the date and take advantage of this opportunity.

BULK RICE—	\$8.95
NAVY BEANS—	98c
Sunny Monday Laundry	25c
Soap, 6 bars	98c
Corn, 5 cans for Monopole Dimple Peas	98c
Monopole Slice Pineapple,	79c
3 cans for Monopole Yellow Cling	89c
Peaches, 3 cans for Monopole Sliced Peaches	83c
3 cans for Monopole Sweet Potatoes	74c
3 cans for Monopole Solid Pack To- matoes, 5 cans for	89c

Strictly Fresh Ranch Eggs, per dozen	38c
Hard Wheat Flour— 49-lb. sack	\$1.89
CORN MEAL— 9-pound sack	49c
POTATOES —	\$1.75
per sack BOCANCO PEAS—	15c
mountain View Sugar Corn	15c
per can	15c
per can Bulk Crackers, Salted or fre	esh 15c
HÖNEY— per pound	15c
SHORTENING— per pound	171/2c

BORDEN's and OREGON	10c
Milk, per can BULK COFFEE—	49c
per pound PRUNES, 3 pounds for	25c
GINGHAMS	
One of the largest association	rtments
in town, at per yard	19c
CRETONNE	
The largest assortment	at. per
yard	221/2c
BIG YANK SHIRTS	/20
All sizes on sale at each	
OVERALLS—Each	
OREGON WOOLEN MILL	
KETS at \$7.95 to \$10.	
COTTON BLANKETS Each	\$1.89
Large asortment of MEN'S	
ER SHIRTS Regular \$8.50,	
at, each	\$6.39
at, each	ф0.33

Oregon Woolen Mills Goods Men's 3-Season UNIONSUITS

Large assortment of different brands to be sold at, each95c A big bargain on Men's ALL WOOL SUITS. latest style, fully guaranteed to be satisfactory in every way. Priced from \$17.50 to \$30.00 each

Bergerman & Forester Logger Shoes HONOR-BUILT SHOES - Regular \$8.50 values on sale at, per pr. \$4.49

DRESS SHOES AND OXFORDS Children's Shoes, sizes 5-21/2, \$1.29 Endicott and Honor-Built, at per RUBBER SHOES- per pair \$3.49

THE PEOPLES STORE

M. MURRAY Mgr. Vernonia, Ore.