

HOW

FRUIT DOCTOR DIAGNOSES CHIEF FRUIT TROUBLES.

A unique hospital for vegetable disease research has just been started at Covent garden, London, in connection with the Cambridge low temperature research station. Here a fruit "doctor" diagnoses the troubles of English and imported produce.

So successful have these experiments been that many diseases, including the "brown heart" in apples, have been completely overcome. In one part of the laboratory, "breathing" tests are carried out to ascertain the vitality of certain kinds of fruits. "Breathing" is just as important to a banana, pear, or a plum as it is to a human being, and when a fruit ceases to breathe it "dies" and goes bad.

Owing to the scientific methods which are now adopted in connection with the cold storage of fruit and vegetables, garden produce can be kept in perfect condition for very long periods. Among the "residents" at the Cambridge low temperature research station are cauliflower, which are as fresh as when picked two months ago; pears gathered last September, which look as healthy as if they had been plucked yesterday; and apples which ripened over two years ago, but have not lost one iota of their flavor.

How Greek Mythology

Accounts for Hygiene

According to Greek mythology, Apollo was the god of healing. Now, Apollo had a son by a mortal woman, Coronis, the daughter of a Thessalian prince. The name of the son was Esclepius, the father of medicine. Esclepius lived with the other gods until his great human heart, derived from his mother, induced him to give up the delights of Olympus, and go down and live among men so that he could practice the medical skill which his father had taught him and which was so needed among the mortals.

Esclepius went about doing good and healing the sick and in time had two daughters, Panacea and Hygeia. Panacea helped her father in many ways, gathering his herbs and preparing his medicine for him. Hygeia, being much impressed with the futility of trying to cure many of the cases and realizing keenly that most of the sickness and suffering was a result of ignorance, set about to teach the people not how to get well but how to stay well. Her teachings are called hygiene after herself.—Hygeia Magazine.

How Bees Get Honey

Nectar, as it is called, is contained in every bloom, whether it is tree, shrub, flower, vine or weed. Bees gather this nectar, store it temporarily in a sac and later in a wax cell in a bee hive or hollow tree, or even large, protecting crevices in stone formations.

In the very earliest spring the bees "work" the blossoms of the red maple and elm and willows; then the fruit bloom and dandelion; then white clover, or whatever may be the main flow; then the so-called weeds and wild flowers or late summer and fall—heartsease, bonaset, aster, wild sunflower, goldenrod.

How Sunspots Affect Us

Sunspots are fascinating things to study. For many years past it puzzled science to account for them, writes J. A. Lloyd, M.B.A., F.R.A.S., an English scientist. They are now believed to be immense whirlpools in the atmosphere of hot metallic vapors around the sun. In these vortices, ionized particles are whirled at high velocity, and send out streams of electrical energy in all directions. Evidently, therefore, sunspots are the scenes of violent disturbances which tear asunder the sun's outer casing. Through the hole thus formed we can peer down into the darker interior.

How Fish Are Warned

Washing of the waves and noise of the surf serves as a radio beacon to warn fishes to keep under the surface in rough weather and stay away from shore, according to Dr. Austin H. Clark, of the United States National museum.

The hissing sound of breaking waves has a marked directive quality, according to Doctor Clark, and it is easy to locate the origin of the disturbance.

How to Find North Star

The North star can nearly always be found on a clear night by means of the "pointers," two stars in the constellation called the Dipper, scientifically known as Ursa Major, the Great

Bear. The Dipper consists of seven stars, three making up the handle and four the cup or bowl. The pointers are the two stars farthest from the handle.—Exchange.

How to Clean White Paint

One of the best ways to clean white paint is to dip a piece of soft flannel cloth in warm water, wring it out and then dip it in clean bran, using this to rub the paint. The friction of the bran will remove the stains without injuring the paint.

Why Shoulders Ache

Typists and musicians often get pains in their shoulders, which they diagnose as neuritis. Dr. John B. Carnett, professor of surgery at the University of Pennsylvania, says the pain is caused by a deposit of lime salts that accumulates between the shoulder and arm bone on account of constant friction. Once this deposit is located, declares Doctor Carnett, the curative treatment is found to be extremely simple.

Why Paper Sticks

The bureau of standards says that the sticking together of paper during the printing process is caused by static which is introduced by the friction of the paper with the metallic parts of the printing press. This gives considerable trouble in printing plants, and in large establishments special equipment is used to prevent this. Controlled humidity conditions assist in this respect, as paper that is kept very moist gives very little trouble.

Why Tires Wear Out

It is internal friction rather than the compression of the car's weight, says the United States bureau of standards, that wears out most automobile tires. When the car is driven over a bump the squeezing of the tires causes the layers of the materials of which the shoes are made to rub over one another. This rubbing action makes the tires hot and is largely accountable for the shortness of their serviceability.

Why Cream Rises

Cream is composed of an infinitesimal number of minute drops of oil and fat which are lighter than water. For that reason they rise to the top. It takes some time for cream to rise to the top because the droplets are so small that they come up very slowly.

Why Waterfall Roars

The roar of a waterfall, it is said, is produced almost entirely by the bursting of air bubbles.

How "Black" Is Made

The "black" that gives the jet to phonograph records, rubber shoes, shoe and stove polish and ink for newspapers, is made from gas in petroleum fields, according to the American Research foundation. "Gas-black, carbon-black and lamp-black," says the foundation, "are trade terms to all practical purposes synonymous. Ordinary lampblack is made by burning tars and similar substances. The black of ordinary commerce is usually gas-black. It is made by the incomplete combustion of natural gas."

How Fruit Ripens

The Department of Agriculture says that there are several reasons why all the fruit of a tree does not ripen at the same time. In some instances this will be a characteristic of certain varieties. The exposure of the sun is another factor, fruits which are directly exposed ripening first. There is also some difference in the fruit where the fruit is grown in clusters. It is interesting to note that the center ones will ripen in advance of the others. This is because it is fertilized with pollen before the others are.

How Atmosphere Acts

When the signs are for rain the atmosphere is quite humid; the more humid the air, other things being equal, the less it weighs per cubic foot—that is, the lighter it is in the sense of weight. However, the more humid the air, other things being equal, the more sluggish, as a rule, we feel; we blame our "heavy" feeling on the air, and say the air is heavy.

How Sound Travels

Sound travels faster and farther through the ground than through the air. It is because of this fact that one sees pictures of scouts and others with their ears to the ground—sounds can then be picked up which are otherwise quite inaudible.

How Hornets Build

Hornets build of the weather-beaten fibers from old fences, boards or other wood. They are very fond of building in the peaks of houses, under shelter of the eaves.

How to Kill Germs

Germs can be killed by exposing them for one second to ultra-violet rays of short-wave length.

SAM'S VALLEY

Mr. Will Carl and family visited at the Abbott home last Sunday. Mr. Carl is a resident of the Williams Creek district.

Albert Straus went up to the forest reserve to look for the cattle which they have on the pasture for the summer.

Mr. and Mrs. Albert McBeth of Central Point visited at the Abbott home last Sunday.

Sam's Valley Grange will give a short Literary Program Saturday evening. The program is in charge of the lecture and will be open to the public, who are cordially invited to attend. Immediately following the program the regular meeting will be held and the Third and Fourth Degree will be conferred on one candidate.

A few acres of brush land was burned over on the Duggan place Monday afternoon but was brought under control by volunteer workers. It is thought the fire was started by lightning from the storm Sunday evening, according to the opinion of Mr. Pierce, the wire warden, who was at the scene of the blaze.

Loyal Abbott has accepted a position with the Modoc orchards, and is now employed at that place.

A rather severe thunder storm visited this section of the country Sunday evening about 6:30 o'clock. Some slight damage is reported on some of the farms where the wind blew over chicken houses and unroofed some other small buildings.

Ed Moore, foreman of the Van Hovenberg orchard, reports some hail at that place, but no damage to the fruit crop resulting from the storm.

TOLO ITEMS

Last Sunday afternoon during the electric storm the lightning set fire to the grass on the west side of the desert near the Ben Peart place and burned over several acres of ground before it was checked. Everyone responded quickly and it was soon under control but on Monday the wind came up and started it burning and at this time it endangered several homes. J. M. Crofford saved his home by quickly back firing. The land on which the fire started belongs to the Rogue River Canal company.

Mr. and Mrs. Dave Force of Agate were visiting at the home of Mr. and Mrs. Whetstone Wednesday evening.

Mr. and Mrs. John Higinbotham and son Lester, spent Thursday in Ashland.

Roy Richardson has gone to Klamath Falls where he has secured work for the summer.

Owing to the busy season and hot weather, there was a small attendance at Club Wednesday.

Found—A lady's hat. Owner prove property, pay for this notice and get hat.

Brick Ice Cream at Damon Cafe.

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ADMINISTRATOR'S NOTICE TO CREDITORS

Notice is hereby given, that the undersigned, has been appointed Administrator of the estate of Annie Wright, deceased, and all persons having claims against said estate are hereby required to present the same, with proper vouchers, to said administrator, at his office in the Freeman, Wiley & Company Store, in Central Point, Oregon, within six months from the date of this notice.

FURTHER NOTICE, is hereby given, that all accounts and claims due and owing said estate must be paid to said administrator.

Dated this 1st day of July, 1926.

W. J. FREEMAN,

Administrator.

Date of first publication July 1st, 1926.

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Josephine county will have a fair this fall. The fair will be "bigger and better" than ever before, despite the fire which destroyed the fair exhibit building several weeks ago. These statements were made today by George Wertz, secretary of the fair board, who announces that all arrangements for the holding of the event are going ahead. Housing of the fair has been accomplished through the renting of three large tents from a Portland firm. These are 50x150, 50x110 and 40x60 feet in dimension and give more under-cover space than would have been possible with the old building.—Grants Pass Courier.

G. McDonough was re-elected director and S. S. Abbott clerk of the Sam's Valley school board at the annual school board election recently.

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