

TREE RINGS TO TELL SECRETS

FLAGSTAFF, Ariz., Aug. 19. (AP)—The sciences of astronomy and botany are conspiring to release a secret locked in the decayed heart of an ancient Indian civilization in this region for perhaps hundreds of years.

"The secret is the date on which the Indian kivas (temples for sacred chambers) were built, a fact to be learned through a study of solar activity and the growth of trees—Five Centuries of Climate."

Dr. E. A. Douglas, director of the Steward Observatory here and professor of astronomy at the University of Arizona, years ago began a study of the rings found in tree trunks with a view, among other things, to determining the age of the kivas. To date he has found records in the tree "annual rings" a history of climatic changes over a period of five centuries. This chronicle tallies with astronomical observations of solar activity for the period.

His studies have taken him during the last twenty years to England, Norway, Sweden, Prussia, Austria, Bavaria and the state of Oregon, California and Arizona. His interest in pre-historic ruins was aroused by observation of the climatic conditions under which the yellow pine common in the western Rockies was growing.

Drought Rings
Much of Doctor Douglas' work has been done in this vicinity because the limited twenty-two inches of rainfall assured many clear nights and superb skies for astronomical observations. The forest furnished a wealth of material for botanical studies. The critical problem of the tree was to survive periods of drought rather than to compete with other species of plant life in the struggle for existence, and the wax and wane of tree growth is chronicled in the size of the tree trunk rings.

Kivas Remains Secret
The greatest drought in this region, Doctor Douglas finds, was from 1572 to 1586, and the tree rings held the record for more than three centuries before man discovered it. However, the biggest drought in the entire south-west occurred during the years 1729 to 1739.

By studying the ringed beams in the kivas of the old Indian ruins of this section, Doctor Douglas believes he will ascertain climatic conditions at the time they were built. Comparison of such data with the records of Arizona trees and of the big Sequoias of California will reveal, he hopes, the actual years in which the "sacred chambers" were constructed.

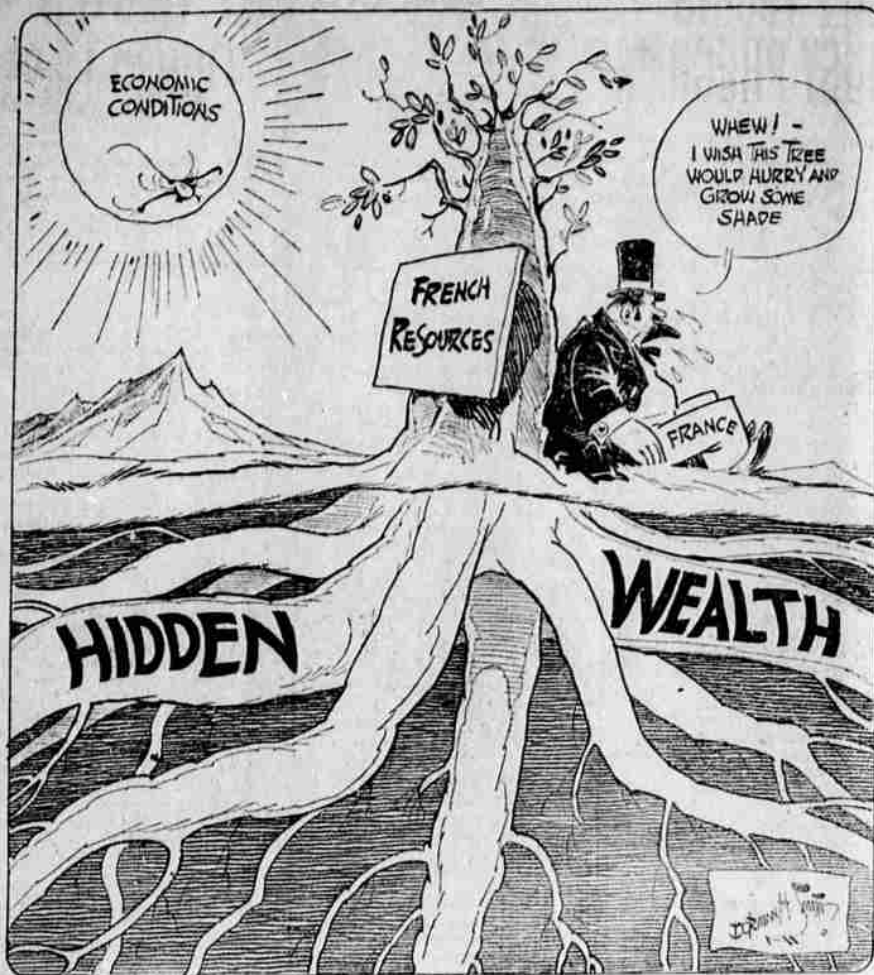


DECORATED AS WAR HERO because she refused to sweep the road along which the Kaiser was to pass through Cravallatte, Lorraine, in 1918.



ENGLAND'S RICHEST PRINCESS is the Countess of Seaford, whom it is said at least two European queens have their eyes on as an eligible daughter-in-law.

WANTED—AN E PERT HORTICULTURIST



HEALTH

BACTERIA, FRIENDS AND FOES
(By James A. Durrant, M. D., Smithsonian, Wash.)
Member Gorgas Memorial Institute

Did you ever stop to realize that the air, the soil, everything we handle or touch, all the food that we eat, in fact everything in the world is covered with millions and millions of tiny living beings called bacteria?

These minute bits of life are invisible to the naked eye unless there are hundreds of them grouped together. Under a microscope these tiny bits of living matter can be easily seen and studied. They vary greatly in shape and size, and multiply rapidly in moist dark places, generally by simple division of the cell.

Many are quite harmless. If this were not the case we should be

ill much of the time, for with everything we eat, we take into our bodies millions of bacteria. These organisms cause the decay of animal and vegetable matter. If animals and plants after death did not decay, there would be scarcely room for us to live in this world. The making of butter, cheese, wine, cider, even the curdling of milk, is due to the action of various types of bacteria.

But there are other types of bacteria that are harmful and dangerous to life and are the cause of disease. We have but to think of smallpox, diphtheria, tonsillitis, tuberculosis, influenza and a host of other diseases. Very fortunately these forms of bacteria do not thrive outside the human body. Extreme conditions such as boiling will kill them readily. Freezing however is not so effective and bacteria have been found in ice, and in ice cream that has been frozen for some time.

The bacteria which cause diseases do not float about in the air

at random. We obtain diseases direct contact with them, or getting into our mouth, eyes or nose those bacteria which they have left on towels, drinking glasses, books, pencils, etc.

Never put anything in your mouth but pure wholesome food and drink and your own tooth brush. Keep your fingers and all articles away from your mouth, eyes and nose. Be always on guard. Make sure that your drinking water and milk is pure. Bacteria will not thrive in clean places. Bacteria are for us, or they are against us; but always they are with us.

TRUDIE REYS WARDROBE
PARIS—Here's Trudie Reys, back from the scene of rejecting that a girl of German descent was the first to swim the channel, buying in Paris a wardrobe which will dazzle Broadway when she marches in triumph like Bobby Jones.

OFFICE CAT

By Junius
Irate Father: "You impudent puppy! You want to marry my daughter? And tell me, do you think you could give her what she's been used to?"
The Suitor: "Er—yes, I think so, sir. I've a very violent temper myself."

Loquacious Barber (after a good half-an-hour of it): "And what would you like on your hair, sir?"
Weary Customer: "My hat—just as soon as you can manage it!"

A LONG TIME TO WAIT: Some day a girl may find a man who won't take advantage of her—but the tombstone will probably be too heavy for her to lift.

The world's greatest lie: "Present company excepted, of course."

A man's house is his castle if he is a bachelor and his housekeeper is away.

From a boy's history paper—"About this time Columbus was



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curding around among the West Indies."

Curious old lady (to one-armed man getting off train): I notice you have lost your arm, young man.
Young man: So I have—how strange.

A La Grande man who is reported to have found a button in his salad, with great presence of mind remarked: "I suppose it dropped off while the salad was dressing."

All women are peaches, but some of them are of the dried variety.

"Hope you liked those queer little Chinese backscratches I sent you, dear."

"Is that what they were? More? I've been making my husband eat his salad with them."

Wife of Dead Man Is Questioned by Sheriff

PORTLAND, Ore., Aug. 19. (AP)—Sheriff Huriburt who yesterday started an investigation of the death Saturday morning of L. G. Shannon, who was killed by a shot from a small caliber revolver, said that while conditions indicated Shannon was a suicide he was continuing his investigation. Mrs. Shannon was brought to the sheriff's office late yesterday for questioning following reports circulated about Gresham that Shannon might not have killed himself.

Mrs. Shannon told officers that all she knew about his death was that she was awakened by a shot about 3 a. m. and found him wounded beside her in bed. Deputy Sheriff Christofferson took Mrs. Shannon back home in his automobile after she had answered questions.

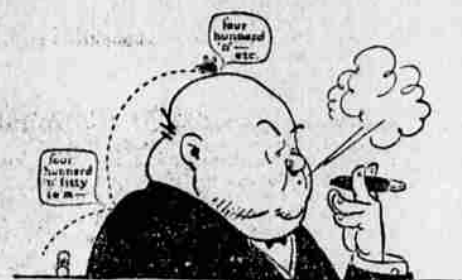
HELL, DIE HAPPY

OSKINSING, N. Y.—If William Hoyer, negro slayer, must be executed tonight, at least he will not be hungry. He is to have a dinner in the death house of his own selection, as follows:
One duck stewed with one can of peas, one pint of olives and sundry dumplings. Four slices of bread, boiled rice, tomato salad, strawberry shortcake, one pint of vanilla ice cream, one raspberry soda, twelve cigars, one package of cigarettes.

HONEST MAN FOUND

NEW YORK—Page Dionewas, a taxi driver found \$1,700 in cash in his cab and forthwith took it to a police station. William J. Kubie doesn't want anything that does not belong to him.

Fine thing about living in America is you are not a foreigner.



The fly makes 1000 stops per day

BUT Flit will quickly put a stop to the fly's travels.

Flit spray clears your home in a few minutes of disease-bearing flies and mosquitoes. It is clean, safe and easy to use.

Kills All Household Insects

Flit spray also destroys bed bugs, roaches and ants. It searches out the cracks and crevices where they hide and breed, and destroys insects and their eggs. Spray Flit on your garments.

ments. Flit kills moths and their larvae which eat holes. Extensive tests showed that Flit spray did not stain the most delicate fabrics.

A Scientific Insecticide

Flit is the result of exhaustive research by expert entomologists and chemists. It is harmless to mankind. Flit has replaced the old methods because it kills all the insects—and does it quickly.

Get a Flit can and sprayer today. For sale everywhere.

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FLIT

DESTROYS
Flies Mosquitoes Moths
Ants Bed Bugs Roaches
"The yellow can with the black band"

96% write of "its Fresh Fruit Taste"



"The pure fruit odor can only be rated perfect"
"The children thought I had added fresh orange juice to it."
"I really thought I had fresh fruit jelly."
"That pure fruit odor makes you hungry, even before you open the package."

FROM all over the country women write their praises of Royal Fruit Flavored Gelatin. "It jellies quicker"; "whips like cream"; "dissolves quickly and completely"; "molds firm and even." And one and all unite to notice and applaud its "fresh fruit flavor."

The flavor of Royal Raspberry, Strawberry and Cherry, comes only from the pure juice of the fruit. The lovely refreshing flavor of Royal Orange and Royal Lemon comes only from the oils of the citrus fruits.

FIVE FLAVORS
Strawberry, Raspberry, Cherry—with delicious flavor from the fruit juices. Orange and Lemon from real Oil of Orange and Oil of Lemon.

The rich heavy gelatin crystals that carry these matchless flavors, have not changed or spoiled them in any way. There is no "gummy," "gluey" taste or smell. (Pure gelatin has neither!) Since gelatin is a necessity where there are children, of course you insist on the very best and purest obtainable.

We offer Royal Fruit Flavored Gelatin with special pride to our Royal Baking Powder friends. You can trust it in just the same way.

Your grocer has it. In the red package, the same color as the Royal Baking Powder can.



ROYAL CINNAMON ORANGES: Cut 3 oranges in half. Scoop out the pulp. Cut handles. Dissolve four 4-inch cinnamon candy sticks in 1 cup boiling water, and pour over 1 package of Royal Orange. When dissolved add 1 cup cold water. Pour into the well-trained orange cups, and chill till firm. Serves 6.

ROYAL FRUIT FLAVORED GELATIN

Made by the makers of Royal Baking Powder

A Matter Of Time

When you first met one of the people now your friends, he was only a face and a name. You saw him oftener, listened to him, learned what he was doing, what his friends thought of him . . . claimed him yourself as friend. It was only a matter of time.

It is only a matter of time before you will also claim as friend many a product which advertising is introducing to you. It may be a truer watch, a quieter door-closer, a long wearing silk stocking, a better oil for your car. If you notice more in the advertisement than just appearance and name, you may want to be friends at once. You will learn what the product means to others and can helpfully mean to you. Advertisements tell you frankly all that makes a product friendly. Qualities, mannerisms—what the watch, door-closer, oil is in the habit of doing. Advertisements make you acquainted before you give the product your faith. Since you choose your friends often, why not keep your choice wise?

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