## Lay Poison for Borers in Fall

Most Serious Pest of Trees and Must Be Combated to Get Good Fruit.

(Prepared by the United States Department

Throughout much of the peach-growing district east of the Rocky mountains from Canada to Florida, orchardists are troubled with the damaging work of the peach borer, the most important and serious pests of these trees and one that must be combated relentlessly if the peach is to be grown. Its injuries each year, including the cost of control measures, amount probably to not less than \$6,-000,000, says the United States Department of Agriculture.

This pest has been known for more than 150 years, is a native American insect, and has demanded the attention of horticultural men continuous-Many methods have been tried for its eradication and control, but not until 1915, when the bureau of entomology began experiments in the use of various toxic gasses as a possible means of control, was any very practical method found.

Use Paradichlorobenzine. In these experiments it was found that the chemical paradichlorobenzine, for which the abbreviated name "paradichlor" is suggested when referred to as an insecticide, could be used successfully in control of the insect, This chemical is a white crystalline substance having an etherlike odor which, while harmless to persons and domestic animals under ordinary conditions, is poisonous to insects.

Application of this chemical to peach trees for the control of the peach borer should be made in the fall after most of the moths have finished their egg-laying activities, to avoid late infestation of the trees. The method consists simply of applying the chemical to the soil around the base of the tree in a circular band an inch or two wide, care being taken that the inner part of the band is about two inches from the tree trunk. As soon as the chemical has been applied, cover it carefully with several shovelfuls of dirt, making a cone-shaped mound around the tree trunk by packing the earth with the back of the shovel.

Remove Dirt Mounds. Under average fall weather conditions most of the chemical under the soil covering will have evaporated in four to six weeks, killing from 90 to 100 per cent of the borers. It is a good practice to remove the mounds of dirt some five or six weeks after application of the chemical.

The "paradichlor," in the experience of the bureau of entomology, can be used without danger of injury on trees four years of age and over-the dose on four and five-year frees being threefourths of an ounce per tree, on trees six years of age and older one ounce per tree, or, if the trees are unusual ly large one and one-quarter ounces

### Make Stack Silage When

No Silo Is Available Andrew Boss, vice director of the Minnesota experiment station, says that farmers without siles can preserve green and immature corn by the stack method of making silage.

C. L. McNelly, a Minnesota county agent, has made stack silage for four seasons on his farm at McIntos Minn, and recommends it in preference to bundle fodder corn. He makes stack about 20 feet in diameter and 20 feet high, keeping the center lower than the outside until the top reached when it should be filled full. The bundles must be distributed evenover the surface with the butts laid to the outside.

During the winter the top of th stack is kept covered with a foot or two of wild hay which can be thrown back as the silage is taken off. In order to prevent extreme freezing this covering should be replaced after the day's feed has been thrown down.

Corn preserved in this way will ro in for about eight inches on the out side of the stack, but as the butts of the stalks only are affected the loss is not serious. According to Messrs. Boss and McNelly the silage cures somewhat differently from the common corn silage in that it seems to develop less acid. There is a swee molasses odor and flavor which make it palatable for all kinds of live stock

### Dress Turkeys for Market

Farmers near the city markets, and particularly those in the middle Atlan-tic and New England states, often dress the turkeys and either sell them direct to the consumer or to city dealers. In some sections shortly before known as turkey day. On the day beturkeys and the following morning to respect old age in an egg?"-Ex-brings them into town.

Giant Thistle, Grown

on Coast, in Demand Among the pretitable crops grown by Californians in the region of San Francisco is a giant Mediterranean species of thistle. Soil and climate there seem to be exactly suited to its needs, says the Pathfinder Magazine. Attempts to grow it elsewhere have invariably resulted in failure. Like the thistles with which all are familiar, it has formidable spines, only they are longer and more cruel than the average. It has a large purple flower, so sweet scented that bees find it irresistible. Rarely, however, are the buds allowed to develop into flowers, for the buds are esteemed as a table delicacy, being harvested and

sold as "artichokes." A quarter upiece for the buds is not an unusual price in San Francisco and at that they take precedence over the finest oranges, raisins, apricots, etc., for the growers craftily time their development so that they may be marketed just at the psychological moment, so to speak-that is, in midwinter, when there is little else of the same nature to compete with them. This is done by cutting back the plants in June, pruning them down to the ground. Within a short time new shoots appear. Then if plant food and water are supplied in sufficient abundance the long sunshiny days oring about ideal development.

The bud harvest begins in October and reaches its peak about the first of April.

### Hard-Working Burglar Forced to Draw Line

Bert met his old friend Bill the Burglar and the two got chatting about things in general. "I hear you've left your wife," re-

marked Bert presently. "Why did you do that?" "Because she was always wantin' me to do somethin'." snarled the bur-

glar moodily. "What do you mean?" asked his

"No matter how busy or tired t was, she was always naggin' me to do somethin' for her. At last, one night, it was too much."

"How was that?" said the other, in-

"Well, I came in about three o'clock in the morning," explained Bill, "all worn out from doing too much work. had opened two strong boxes and finished up by forcing a couple of safes, to say nothing of a vault I cracked earlier in the evening. An' then, when I got in, what do you suppose that woman wanted me to do?

"What?" "As I stand here, it's true!" growled Bill the Burglar. "She wanted me to open a box of sardines for her."—London Answers.

### Earthworms Valuable Earthworms play a very important

part in the formation of soil. Indeed Charles Darwin demonstrated that they are of incalculable value to agriculture. Angleworms feed on vege table matter exclusively and in burrowing they take more or less earth into the alimentary canal where it is mixed with the vegetable food of the worm. Nearly all of this passes out with the castings which are always voided on the surface. Thus the worms, are continually engaged in spreading a "natural compost" over the land. The process is called the formation of vegetable mold which is fertile both because of its composition and because the worms keep paint will make them look lik it stirred up and well aerated. Of latest thing in wrought iron, says course many other creatures are ben-eficial in the formation of soil, but the earthworms are the most important .-Pathfinder Magazine.

Polo Has Long History

There is no game today, with a longer history and one so consistently comantic as that of polo. Over 100 years ago polo was first observed in Persia by early European travelers, like Sir William; Ouseley and Sir Anthony Shirley. The latter quoted his forerunner, the Italian Pietro della Valle who," in 1618, had found polo under the patronage of Shah Abbas, and remarked that "It was a favorite recreation of kings and chiefs, originally, I believe, considered as almost peculiar to illustrious person The French traveler Chardin says the Persians played with 30 or 40 on a side, though the Persian minlatures remind us that even then three or four-sided teams were common. Another traveler calls it "the game of

### New View Point

John Dos Passos, the youthful novel-1st, said at a Greenwich Village dance: "The old were to blame for the war. and they are to blame for all our postwar mess.

"Respect for old age is silly unless Thanksgiving there is held what is it is the old age of a good and wise person. Old age in itself is not a fore this event every turkey grower in thing to be respected. Why, is there the neighborhood kills and dresses his a man or woman alive so fooligh as

Cause of Writer's Cramp Writer's cramp has been defined as an occupational neurosis to which those who do too much writing, especially with the hand too tightly con

tracted, are liable. A person with the trouble has no control over the muscles of the thumb and middle and fore fingers, although other manual operations are performed vithout difficulty. The affection seldom manifests itself till toward middle age.

#### Earliest Anesthetic

Ether was the earliest-known anes It was discovered probably as far back as the Thirteenth century For a long time it was supposed to contain sulphur, and hence the name "sulphuric ether" was applied to it. "sulphuric ether" was applied to it.
Its true composition was established
by Saussure (1807) and by Gay-Lussac (1815). Later Williamson explained its formation and chemical constitution.

#### Gets Revenge

Madame Amed Abdullah thought all the women in Constantinople were in love with her son. So she consulted a fortune teller, who gave her a con-coction of garlic, water, mud and boiled shoes to throw upon all the beautiful women in the city. Madame Abdullah was arrested after hurling the magic mixture at one attractive woman near her son's home.

Lead Roofs Need Attention The leaden roofs of some of England's old churches, a heritage from medieval times, occasionally have to be melted down, rolled over and then tible, but it has been found that at the end of every 200 years the metal should be recast to give the best re jults as a roofing material.

### Graft Vegetables

Experiments in the grafting of vegetables and flowers by French botanists have resulted in the creation of new species, have prolonged the lives of many plants, and have inten-sified the perfume of many flowers. Potatoes that grow on branches above the ground are among the results of the experiments.

### Humanity's Debt to America

In 1830, according to the Department of Agriculture, three hours o human labor were required to produce a bushel of wheat, and now it takes ten minutes. Farm invention, largely American, is one of the greatest tributions to human ease and well-be ing in the last century.

### Disputed Honor

Some authorities give credit to th U. S. S. Vincennes, a sailing frigate as the first circumnavigating the globe making the trip in 1829-1830. Other authorities credit the United States frigate Potomac, which made a con tinuous cruise around the world from 1831-1834

### Sunday Thought

Pleasure that comes unlooked-for is thrice welcome: and, if it stir the heart, if augut be there, that may hereafter in a thoughtful hour wake but a sigh, 'tis treasured up among the things most precious, and the day It came is noted as a white day in our lives .- Rogers.

### Saving Electric Fixtures

If your electric fixtures are spotted and discolored, a coat of flat black paint will make them look like the ular Science Monthly. Shades ther can be constructed easily from shee iron and parchment.

### Spoken Word Best

Those who speak in public are bet-ter heard when they discourse by a lively genius and rendy memory than when they read atl they would communicate to their hearers.-Exchange

Many Sought Grewsome Post On the last occasion that a vacancy occurred in the position of pub lic executioner in England the home secretary received no fewer than 786 applications for the post.

### Temperance Exemplified

It is as much a part of true tem-perance to be pleased with the little that we know and the little that we can do with the little that we have .--Ruskin.

### Like Unto Like

The amount of intellect necessary to please us is a most accurate meas ure of the amount of intellect we have ourselves,-Helvetius,

### Really Capable Mind

The truly strong and sound soind is the mind that can embrace equally great things and small things.

Seems Like Good Idea The best way to get even with man is to pay him what you owe him.

#### ----HOW ===

GRAHAM, N. C., THURSDAY, OCTOBER 16, 1924

FACTORIES MAKE PAPER STRAWS BY THE MILLION -In the manufacture of what are now popularly called "paper straws" there are some interest-ing features. The paper of which they are made is cut into strips at the factory, about 2,000 sheets being cut at a time, each descent of the knife making that many strips. The paper is rolled by a long steel spindle operated by machinery. In less time than is required to tell it, the strip of paper is rolled into a tube and held in that shape by a bit of paste, which was applied to the free end before the winding began.

The next operation is to coat the straws with paraffin, which is accomplished in a tank half full of melted paraffin. Through this tank passes a vertical shaft and it is furnished with platforms in which wire baskets are placed. Hundreds of the paper tubes are piled into the baskets, which are dropped into the hot paraffin for moment and then hoisted into the upper part of the tank. By the outsides of th tubes are coated and the insides filled with the paraffin.

Then, to remove the paraffin contained in the tubes, the baskets are whirled around in the upper tank until the unnecessary paraffin is thrown off and the oating dried. Before this coating the straws are easily crushed. but when they have been dipped into the paraffin and turned out upon the table, where they are cooled and dried, they become tough and are easily handled.

The next step in the process is to cut the newly manufactured paper straws into proper lengths so that they may be packed for shipping. Six rubber bands are placed around a bunch of the long straws at such places that when the bundle is sawed into three sections, each short bundle will show a band at each end. The saw used for the cutting is thin and its teeth are quite thin About 600,000 straws a day are turned out by the factory, but in the busy season this number is sometimes increased to 1,000,-

### \_\_\_\_\_\_ Hunter Tells How Lion Brings Down Buffalo

Denis D. Lyell in his "Memorles of esting account of how a lion selzed his prey. If his quarry is a herd of bufvelopment, the lion accelerates quickhis left paw to drag the buffalo's face toward him.

lion still keeps his hind paws on the ground, advancing with the buffalo by hops, so to speak. The weight of the lion and the tearing of the face backward makes the buffalo stumble, with the result that he often, although not always breaks his neck. If not, the his teeth."-Detroit News.

### How to Be Book Collector

The book collector must, in the first place, cultivate his literary taste, says Arthur Machen. He must altogether shut his ears to the babblers and their

He must keep his eyes upon the book lists of publishers, marking down the authors who appeal to him, looking-always for that glow of beauty which enchanted Rossetti as he stood outside the shop in Castle street. Then he must become a devout student of the second-hand catalogues.

He has his list of the men whom he is following. He notes when a book published at \$1.75 a year ago is priced In another year's time that title will have risen to \$5, and so on.

The collector who buys on these principles will never find that his fairy gold has turned to dead leaves, has mastered the true craft of the collector,-McNaught's Monthly.

### Indian Superstition

The Indians believe that a fish buried in the corn hill gives a better yield of corn.

#### Christmas Trees Cultivated In Massachusetts Christmas trees are being raised as a regular market

Key West Sees Many Ships More than 5,000 ships a ithin sight of Key West, Fla.

### COLLECTED WISDOM

Anger is practical awkwardness.

Carpet is sold by the yard and worn by the foot.

There's always hope for a man until he loses his self-respect.

If a woman loves a man she never holds him up to ridicule.

In your version of the story the ther fellow makes a poor showing.

Financial embarrassment embarrasses some people very little The coat may proclaim a man's indebtedness to his tailor.

The poker-playing physician is al-

It's hard to convince some people that honesty is the best politics.

to do, more than he wants money. Virtue is unexciting, but nobody throws you out when your last nickel

If you can't go to Europe to study

the grand manner, you can observe An ideal mother is one who knows

which one to spank when all appear equally guilty. We may regard criticism from some sources as impudence, still it hurts,

One of the popular games ought to be to see how far a dollar can be made to go.

Older people are conservative be cause they have seen so many promised improvements fail.

Much of the knowledge is acquired by doing things one doesn't know how

#### A day spent in stupefaction is pos sibly better than a day spent in worry.

#### National Parks Under Federal Jurisdiction

The United States maintains exclusive jurisdiction over the Sequola, General Grant and Yosemite National parks, California; Crater Lake, Oregon; Mount Rainier, Washington; Glacler, Montana, and Yellowstone, Wyoming, the latter being governed solely an African Hunter," gives an inter- by the United States, In all the parks where exclusive jurisdiction is mainfaloes, "he squars and waits behind are appointed for the parks by the Dea bush or in the grass. When an animal gets near enough he makes a sud-den rush, which may start off his vic-fore them and assess fines where contim. Owing to his great muscular devictions are obtained, except in cases where the offense is of such a secous ly and is soon up to the buffalo, when nature, when the defendant is bound he rears upon his hind legs and selzes over to the federal courts for trial. In his prey by the nape of the neck, fair-ly far back, using (if on the left side) the other parks persons arrested for violations of the park regulations or the federal statutes are taken before oward him.
"If the buffalo is still moving the on still keeps his hind paws on the bound over for trial by the federal

#### Expect to Harness Tides The force of the ebb and flow of

the Atlantic's tide may soon be harlion, having him down, breaks it with nessed to produce electricity, Dexter the hydraulic engineer who designed the hydroelectric plants at Muscle Shoals, Keokuk, and Ningara Falls, Canada, is at present making preliminary surveys along the Maine sea-coast with a view to finding general ing station sites near Eastport. The average difference between high and low tide at Eastport is 18 feet 2

## How to Make Marble

A process for making imitations of tatuary marble, onyx and other multicolored stones, has been devised in About 1,000 parts of alum from 10 to 100 parts of heavy spar (barium sulphate) and 100 parts of water are mixed with the requisite pigments, and the liquid mass is down and cast in a mold. The amount of heavy spar used varies with the degree of translucence desired. After being molded and dried, the artificial stone thus produced can be polished and finished as desired.

### How to Make Hole in Glass

It is said that a hole may be made in thin glass by pressing upon the glass a disk of wet clay. Make a hole through this clay the size of the hole desired in the glass, being sure that the glass is clean and bare. Now pour molten lead into the hole and the lead and glass will drop through at once. The quick heating of the glass at one point causes a circular crack to form, the outline of which corresponds to the hole made in the clay

### HAWAHAN PAPAIA IS FOOD AND MEDICINE

A native Hawaiian fruit offered to visitors there is the papala, a sort of substitute for the American canta loupe. It has the consistency of certain varieties of cantaloupe when the latter is in the ripening stage and has yellow meat. The fruit grows on trees somewhat after the manner of cocounts, with sometimes a dozen of them, bell shaped, growing closely to-

gether. Hawalians accord the papala an important place in their domestic dietary because of the beneficial qualities of the juice, from which is obtained papain, an intermediary between pepsin and trypsin. In its digestive tion it resembles the gastric and pancreatic secretions of the human or ganism. The white powder made from the juice is used in the treatment of diphtheria and in cases of gastric dis-

Seeds imported to Hawali from Central America have recently grown to be papalas as large as watermelons, A man wants to do what he wants although the trees bearing them are smaller than the native variety, the topmost branches being within reach of a person of average height.

### NUGGETS OF TRUTH

Rallroad cars with concrete floors are now being made in Germany. I wasted time, and now doth time waste me.—Shakespeare.

Those who resent criticism are driving with the brakes set.

If you can't speak the truth keep a

stiff upper jaw.

If a man is wise, one angry word oes not lead to another.
Cripples have running expenses the

ame as other people, A word to the wise is often sufficient to get a fool into trouble. If there is any pig in a man's nature

It is sure to crop out when he travels, The gain which is made at the expense of reputation should rather be set down as a loss.

Purity in persons and in morals is true godliness,-Hosea Ballou, Happiness is like your shadow; you can't get any nearer to it by chasing

A man never knows what he can do until he tries, then he is often sorry he tried. The man who can meet himself face

to face must be a pretty decent sort of As a rule the man who is unable to trust himself displays pretty sound

# judgment.

New Words According to compilers of a stand-ard dictionary, the general usage of the radio since its invention has added 5,000 new words and terms to the English Janguage. Flapperdom has added several hundred more, and the poor compilers were just getting over the shock of having to define 7,000 words and ferms which our participation in the unpleasaniness in the late world mixup brought to the average vocab-plary. Now what to do? We have been informed previously that women talk too much anyway-that "words is what they ain't got nothin' else but"-in the language of a popular writer of negro tales; yet it is proved by this company that less than 25 per cent of the new words discussed have been invented or coined by women folk, men having done the dastardly deed !- Kansas City Times.

### Dalai Lama Lights Up

the air amid the bleak crags of the was in a solid ledge and it is of uni-Himalayas, is to have a modern hydro-form diameter its full length, 200 feet. trails on pack mules and soon the age- that have been exposed.--blackened temple walls and prayer American. "wheels will glow with a new light from the western world. The installation will be made entirely by Thibetans, since white men may not enter the city.

### Broadcast Beetle's Song

The broadcasting of a beetle's lovesong to his mate was the feature of the London station, of the British dering during the person's sleep. Broadcasting company. The occasion was a natural history lecture, in which were discussed. At the appropriate moment the beetle, which had a special microphone to himself, was per to fill their boxes with snuff mitted to give his call. Many radio with violets, his favorite

Not so very long ago an admirgi sent Baby Peggy, the diminutive film star, a hen. It was old and sedate and was promptly given a setting of eggs ohrselves, to be always what we wish and went into contracted with the setting of eggs. and went into contented retirement. To be, what, we feel we ought to
A few days later the admirer called As long as the feel that, as long as
and not seeing the hen, asked what do not surrender the ideal of our li

"Oh, she's all right," spoke up Baby, the true nature of our soul m Peggy, "she's on location."

### DECLARED MOSQUITO THEIR WORST ENEMY

# Report of Lewis and Clark

Astonished President. President Jefferson was astonished

at the report made to him by Capat the report made to tains Lewis and Clark. He had sent them 120 years ago to-lead an exploring party up the Missouri river and across the Rocky mountains to the Pacific.

What amazed the President was the thing which they reported as the most formidable foe met in that thrilling survey, says Girard in the Philadel-

phia Inquirer.

Lewis and Clark with their wild west hunters and guides traversed a thousand miles where no whites had gone before. They met hostile Sioux, swarms of deadly rattlesnakes and were the first white men to meet grizzly bears, which the Indians feared very much.

The explorers also faced hunger, steep and high mountains, treachere river rapids, extreme cold—and Stef-anson says Montana is colder than the North pole.

But almost the smallest thing these adventurous men encountered was the worst—the mosquito. This tiniest foe was hardest to combat and gave trouble more dreaded than Indians. rattlers and grizzlies.

Our city sportsmen invade the Canadian north woods every summer. Wolves live there, but nobody fears them. But no fisherman returns without a tale of hardship imposed by myriads of little flies.

Home from his long wandering

through Africa, Colonel Roosevelt, as David Livingstone and Henry M. Stanley had found out before, said the deadliest enemy of man was not the lion, not the fierce rhino, not the wild lion, not the fierce rhino, not the wild elephant, not the gorilla, but the tsetse fiy. Rarely have flons in Africa made a

village move. An army of ants will often do it. We are reminded of these orten do it. We are reminded of these great dangers in small packages when we read Doctor Krusen's vacation warnings. What does he designate as the deadilest thing you will meet? Not a loco-motive, although grade crossings are

bad enough. Not autos, because they are thicker in town than in the Not rattlesnakes, even if our Pennsylvania mountains secrete thousands of them. Upon what, then, does Doc-

tor Krusen hoist the red signal? A bite so small that 3,000 of them could nestle on the head of a pin. The unseen and unseeable typhoid "bi which thrives even in apparently the

clearest waters, is the enemy you must avoid on a vacation. Every autumn sees a mild increase in typhoid cases in big cities. Filtered water has practically banished the dis-ease from Philadelphia.

But "vacation typhoid" has become a definite affliction. It comes from two causes: Drinking unfiltered and impregnated water, and as often from

swimming in creeks and rivers. Yes, the "old swimming hole" has become responsible every summer for hundreds of cases of typhoid. The lad who joyfully plunges in doesn't dre who joyfully plunges in doesn't dream he faces more danger than if he had actually invaded a camp of Indian picted in his favorite thriller.

### Natural Pipe Line

While some workmen in Buth, Maine, were quarrying stone they uncovered at a depth of about twenty Lhasa, "Sacred and Forbidden" seat feet a water conduit about three feet of the Dalai Lama, 12,000 feet up in wide and two feet high. The corduit electric plant. Already a specially de- The four sides are deeply corrugated. signed turbine and generator and other showing that at some time water ran essary equipment are traveling to through it at great pressure. It is ward Lhasa along perilous mountain one of the few of nature's pipe lines

### Poetical Burmese Belief

This is a belief of people of Burma, Dorothy Dix says that the Burmese believe that the soul, in the form of a butterfly, leaves the body while we sleep. They will never waken a slee er for fear his butterfly may not be able to get back quickly enough to its ent radio program sent out from habitation, the soul having gone wan-

Significance in Perfume

cial microphone to himself, was permitted to give his call. Many radio fans compilmented the beetle on his performance.

When desirous of learning which side an individual favored they would offer a pinch and ask significantly.

"Do you like fais perfume?"

all is right. Our aspirations re than our everyday life.-Muller