WHY=

"Wooden Soldiers" Must Be Removed.

The nondescript "wooden soldiers," gracing every crossroad in the country, are to go, the Post Office department at Washington has ruled. They are to be replaced with community mail boxes of a neat design.

The Postal Guide supplement states:

"The Post Office department is being pressed to replace these shabby guardians with some trim device which shall not disfigure the country roads. Every city now strives for beauty, declare those who urge the improvement, and the rural districts want to. look their best, too. There is little question that 15 or 20 undecorated tin boxes, some on thin posts, some on round posts, some on thick posts, some on short posts and some on long posts, are a blot on the crossroads."

One design submitted is an artistic tiny house on a shapely post, accommodating three mail boxes, which can be built at about the same cost as three separate boxes.

Why Schools Are Needed

"Do you think it pays to give to a public school?" writes William McAndrew in World's Work.

"My boy, our community has already responded. It is building another school alongside this. My wife and I and our three children will build a third, with an athletic field, a swimming pool, and a farming plant. Why? Because the people want this sort of thing. It has doubled the number of children going to school here. The citizens have organized a bus service to get the youngsters from the farms. The school has become the center of community life. Does it pay? Who was the chap that praised the man who made two blades of grass to grow where one grew before? Our new farm school will tend to that and, besides, our good teachers can count up the proceeds and say 'here are two happy hearts for every one there was before.' "

Why Philosopher Laughed

Just why Democritus, a Greek philosopher who lived in the time of Socrates, was called the laughing philosopher is not known for certain. His moral philosophy was very stern, and taught the absolute subjection of all passions. Tradition says Democritus put out his own eyes in order not to be diverted from his meditations.

Some ancient writers say that Demo critus become so perfect in his teachings that he went around continually with a smile on his face, and hence the title "laughing philosopher." But others give a different reason. They say the inhabitants of Abdera, the was born, were noted for their stupid-

Where a Calico Strip Makes a Woman's Dress

WHY=

scribed as follows:

tissues takes place.

cool

Leaves Change Their Colors

in the Autumn.

What takes place when the leaves

turn color in the autumn and gives the

foliage such brilliant coloring is de-

The green matter in the tissue of a

leaf is composed of two colors, red and

blue. When the sap ceases to flow in

the autumn the natural growth of the

tree is retarded and oxidation of the

of the leaf changes to red; under dif-

ferent aspects it takes on a yellow or

brown hue. The difference in color is

due to the difference in combination of

not explain. For instance, why one or

two trees growing side by side of the

same age and having the same ex-

posure, should take on a brilliant red

in the fall and the other should turn

yellow, or why one branch of a tree

should be highly colored and the rest

of the tree have only a yellow tint, are

questions that are as impossible to an-

swer as why one member of a family

should be perfectly healthy and anoth-

er sickly. Maples and oaks have the

brightest colors .- Providence Journal.

Why Firefly Gives Light

How is it that a glowworm or fire-

ily can produce light without heat?

When man sets out to make light he

can only use 3 per cent of the

energy he employs. The other 97 per

How do animals sense coming dange.

when man cannot do so? In the great

heat wave of 1921 hundreds of rabbits

were seen to desert their burrows on

cent goes in heat.

Under certain conditions the green

Human nature is not more unchanging than the dress modes affected by the African native.

Let him who gibes at modern civilized woman's predilection for short skirts and bared arms and shoulders put this in his pipe and smoke it! In Africa the most moral people generally are those who wear the least clothing, ays Major Raine in the London Mail. Until quite recently the Kavirondo of Kenya colony wore no clothes at all. But at length the government flat went forth that this practice, or nonpractice, must cease. Then each woman obediently purchased herself a length of calico, that was worn shawlwise, and that only when a government officer was in the vicinity.

But the people who do wear clothes are most conservative in their tastes. The cloths, or robes, must always be the same length, the same breadth and of the same material.

No underclothes are worn, so that an African husband is not called upon to meet very high lingerie bills contracted by his wife. As for stockings, silk or otherwise, tribal women do not wear them.

An African woman will take a dozen yards of calico, knot it over one shoulder and, with a few deft turns and twists, stand arrayed in the most chic and becoming costume. Not a pin or stitch is used to connect the whole, which is a work of art.

All over Africa there is an unlimited demand for calico, bleached and unbleached. Manchester generally supplies the former, which is called, on the east coast, Manhamoodi, or Baftan, and is worn by the better class of natives: poorer natives purchase a length occasionally to wear on gala occasions. Although Japan and India are minor competitors, America has practically a monopoly of trade all through the dark continent in the latter. It is universally known as Amerikani.

Millions and millions of yards of Amerikani are imported annually into the African mandated areas and crowp colonies.

Prehistoric Man in Asia 500,000 Years Ago

The evidence of prehistoric man in northern Asia so far obtained by the Roy Chapman Andrews expedition consists of a collection of flints which is now on its way to America.

"It has not been established how old they are, but from a report I have received from our paleontologist I am of the opinion that they are about half a million years old, or about the same age as the Pithecanthropus Erectus," Mr. Andrews said in a recent visit to Columbus, O., according to the Ohio State Journal. "They are highly important to science, no matter how old they are, because they constitute the first evidence of the existence of pri-Thracian colony where Democritus mest evidence of the existence of pir that is created washington. In fact, a the interesting history which attaches saucepans had been dissolved in the meval man in that portion of the in the state of Washington. In fact, a the interesting history which attaches food area London Tit Bits world " The expedition, conducted under the auspices of the American Museum of Natural History, Asia Magazine and a group of New York philanthropists, has produced more than ten thousand fish, reptiles and batrachians, some fifty cases of fossils and about two thousand mammals, including a fossilized

Conductor Found the Lumberjack Too Lively

The wood burned by the locomotives in the early days of the railroads was piled at points along the line and from the platforms the conductor and brakeman had the duty of throwing it the rougher work of freight train running, this task was handled without complaint by most passenger trainmen. but it must have been viewed differently by a certain conductor who had ter had an experience that gave him an enduring desire to go back to more

civilized communities. This conductor came out to Wisconsin believing that his acquaintance with Eastern railroad operations would make him invaluable, shortly, to his new employers. He got a flying start passenger conductor's post, says the St. Paul Pioneer Press. He might have known all about the technical requirements of the job, but he knew littypes common to the Northwest. On his first run he encountered the lumberjacks, rough, good-hearted fellows who, when traveling in gangs on the railroad were as prankful as schoolboys and with little intent to do harm. The conductor started to collect

fares. The first lumber jack that he approached withheld his ticket. The con- St. John. Already it has an important ductor could not see the joke, when the passenger only grinned response to the repeated demands for his fare. He forthwith grew angry and was for using ment. Its exports amount to nearly force to compel the passenger to deliver. But suddenly he found himself precipitated violently into a seat on | Canadian railways, with branches rathe coalbox, while lumberjacks amid much hilarity stripped off his conductor's uniform and placed on him the boots, mackinaw and cap of their occupation. His own clothes were donned by a member of the gang.

Rare Dollar of 1804 Found in Ohio Town

Numismatists throughout the United States are manifesting considerable interest over the reported discovery in Lancaster, O., recently of an 1804 silver dollar, a coin known among collectors as the "King of American Rarities." and variously valued at from \$8,000 to \$12,000. This is one of the eight coins of that particular issue in existence, and with its discovery the owners of all eight are now known. Martin Hettinger, the Lancaster merchant in whose home the "eighth 1804 dollar" has reposed in a bureau drawer for many years, is said to Ical salts of the materials used are abhave received it from Col. William Stevenson. The donor had requested ings. Mr. Hettinger not to dispose of the

that is credited to two investigators. The rarity of the 1804 dollar and analysis, finding how much of the steel ax and pocket knives that have to it make it the most notable and food, says London Tit-Bits.

St. John Has Largest Drydock in the World St. John, N. B., Canada, claims the distinction of having the largest dry-

dock in the world. The drydock, which recently has been opened for use, measures: Length over all, 1.150 aboard the tender. Educated first in | feet; clear width at the entrance, 125 feet, with 42 feet of water over the entrance sill at extreme high tide.

"Bearing in mind that the largest vessel afloat is only 956 feet long." says a bulletin of the Canadian Pacome from the East and who soon af- cific railway, describing the immense dock, "and that the naval authorities are generally in agreement in concluding that vessel dimensions have now reached their economic maximum, it would appear that unnecessary length is provided in the St. John drydock. However, as this dock is being provided with an intermediate sill, which through influence that landed him a will permit the whole dock to be divided into two entirely separate chambers, the inner 500 feet long and the outer 650 feet long, it will be appreciated that this length is justified in tle of human nature as presented in that it provides for the accommodation at one time of at least two moderately sized vessels, and still can be utilized when the occasion arises as a single docking chamber with sufficient capacity to accommodate the largest vessel afloat.

> "The new drydock presages a yet enhanced importance for the Port of place in Canada's economic life as the principal outlet on the Atlantic coast and the busiest port of winter ship-\$100,000,000 per year and its imports to \$50,000,000. As the terminus of two diating from it, it can well and expeditiously serve the Dominion. Its touch with the United States is adequate through fine services maintained with the republic's coast ports. It has connection with practically every country of the globe through services maintained with the United Kingdom, France, Norway, Ireland, South Africa, Australia, New Zealand, Bermuda and many other localities."

Scientists Find Brass Safest for Saucepan

An important household questionthe choice of a saucepan-has recently been investigated at the municipal laboratory of Helsingfors, Finland. Many kinds of metals and other materials are in use for the manufacture of saucepans and other cooking utensils, but owing to the solvent action of some foodstuffs it is certain that chemsorbed to some extent by human be-

A test was made by boiling, for three hours, two pounds of red currants in a number of saucepans of different materials, and then, by chemical

Bird Life in Ecuador Is Rich and Varied

Ecuador is richer in bird life than any other country of equal extent in the world, approximately 1,600 species of birds having been recorded from it, or about one-third the bird life of South America and one-tenth the birds life of the whole world, according to Dr. Frank M. Chapman, curator of birds in the American Museum of Natural History, who recently lectured on Ecuador at the New York Botanical Garden.

Doctor Chapman, for the last ten years, has been conducting, on behalf of the American museum, field researches throughout the Andes of South America to determine the origin of bird life. In his lecture he dealt with his recent explorations in Ecuador, which country, in company with George K. Cherrie, he visited in the summer of 1922.

The wealth of the avifauna in Ecuador is due not only to the diversity of the country at sea level but more particularly to the development of life zones in the Andes from sea level to snow line. In addition to the tropical or basal zone, there exist subtropical, temperate and paramo zones, each one of which has species peculiar to itself. A journey, therefore, from sea level to snow line in a measure epitomizes one from the equator to the pole.

Among the interesting discoveries by Doctor Chapman and his associates was the presence on the coast of Eucador in mid-July of large numbers of North American shore birds-curlews, plovers, etc., the breeding grounds of which are north of the Arctic circle. It was found that these were non-breeding birds, and the fact that they continued to remain in Eucador long after their associates had migrated to the north is evidence in support of the theory that migration from winter to summer quarters is prompted primarily by the desire to find a nesting ground.

Poilus More Ignorant Than Yankee Soldiers

Lieut. Col. Jean Fabry, rapporteur, to the army commission of the chamber of deputies, has contributed a rather sensational article to Intransigeant upon illiteracy in the French army.

Upon an average, only two out of ten of seven hundred recruits of twenty years of age, just received by two French infantry regiments, could be classed as educated in the ordinary sense of the word. Of the remaining eight, five upon an average knew how to read and write a little; two were able to spell with great difficulty and to write illegibly, while the eighth was totally illiterate.

In order to show that these figures. which are even more depressing than our American mentality tests at the time of the war, are fairly representative, Colonel Fabry points out that these recruits came from 31 different for brass, which was 250 times better departments, mostly from the highly than enamel. Brightly polished brass developed northeastern districts. They cooking utensils are used on a large were drawn from all classes of occupation, but mostly from agriculture. A very large proportion of them had no idea where the treaty of peace was signed and nearly all were unable to say who made the laws of the country.-Living Age.

a Yorkshire moor. Two days later a heath fire broke out and burned the whole moor. In some Hampshire pine woods the squirrels deserted their homes in exactly similar fashion 24 hours before fire swept the place. Again, how is it that some creatures can do without water? A parroquet lived for 52 years in the London

zoo without tasting water, and sheep seem able to get on with very little or no water so long as they get good grass. Many reptiles never drink, but a mole dies if kept for 24 hours without water.

How Steel is Tempered

Chopping a cold crowbar into chunks with an ax and whittling a steel rod into shavings with a pocket- coin, and consequently its whereknife are made simple performances abouts has remained a mystery for through a process of steel tempering many years.

the original constituents of the green tissues, and to the varying conditions of climate, exposure and soil. A dry, hot climate produces more brilliant foliage than one that is damp and There are several things about leaves, however, that even science can-

ity, and that he was called the "derider," or laughing philosopher, because of the scorn and ridicule he poured on his townsmen for their ignorance. Still others say he received the name from his habit of laughing at the follies of mankind in general.

How to Make Invisible Ink Ever want to use a secret ink for writing? If so, the two simplest are milk and lemon juice. Just take a bit of milk or a bit of lemon juice and

put it a clean inkwell. A clean new pen must also be used, so that no trace of black will appear on the "invisible letter." Dip the pen in the ink often so as to be sure it is writing, and after the letter is finished. do not blot it, as that will absorb some of the invisible ink and the blotted portions will not show up well when it is desired to read the message.

To make either of these invisible inks visible, all that has to be done is to get the paper on which they are used good and warm and they will both show up plainly. Care must be taken when heating the paper not to burn it or scorch it.

Why Turks Failed

The tradition is that some bakers were working in a cellar one night in the year 1629. One happened to hear a muffled sound of digging. At that time the city was besieged by the Turks under Soliman the Magnificent. Guessing that the enemy were tunneling a way into the city, the bakers gave the alarm. The aroused garrison was able to baffle the enemy. Eventually the Turks were badly defeated. In commemoration of these events, the Vienna bakers thereafter molded their rolls in the shape of a crescent, the sacred emblem of Turkey.

Why Pacific Is Calmer

The fact that the Pacific ocean is less subject to storms than the Atlantic is due to various reasons. Partly because of its great extent and partly because there is no wide opening to the arctic region, the normal wind circulation is on the whole less modified in the north Pacific than in the Atlantic. The trade winds are generally weaker and less persistent in the Pacific than in the Atlantic and the intervening belt of equatorial calms is greater.

Why Maine Is Colder

Maine is colder than France on account of the ocean currents. Off the coast of Maine there is a cold current coming from the polar regions and flowing southward. It cools the air and makes the climate colder. Off the coast of France is the Gulf stream. This gives a warmer climate.

skuli of a baluchitherium, a sort of glorified rhinoceros, the largest mammal that ever roamed the earth.

Madrid Now Has a Curfew

Madrid has always been a city of night life. How many are those writers who have described nocturnal rambles through its cafes and taverns where all classes mingle!

Now, however, the curfew rings at three o'clock in the morning and the police have been instructed to see to it that no establishment remains open after that late-or early-hour. This is an economic measure, as the cost of lighting is too high in a land where coal is scarce.

At three o'clock, therefore, all the guitars in Madrid must cease their strumming and the adroit wielders of the polgnard must sheathe their weapons for a few hours .- Le Figaro, Paris.

Electric "Sun" for Crops

Two crops of lettuce have been made to grow in the time only one grew before, by the use of electric lights as an artificial sun, according to the International Institute of Agriculture. Five electric bulbs of considerable power were turned on a bed of lettuce daily for six hours after dusk. The lettuce so treated had, after only twelve days, approximately two and a half times as many fresh leaves as other heads which had been planted at the same time but which had not been exposed to the electric light.

Cost of Royal Wedding With a ceremony of seven days' du-

ration and at a cost of \$2,500,000, the Crown Prince Hirohito, prince regent of Japan, and Princess Nagako Kune. capped their royal romance in marriage. The marriage in many ways is the most significant in royal Japanese circles as this union was the first one in 2,500 years where a royal son married according to the dictates of his heart, it is said. The prince had to fight older statesmen for her, because she is of another branch of the imperial house.

He Wanted to Know

"I was reading in the paper last aight." said old Ork Oddways, "that a caterpillar will in a month eat about six hundred times his own weight." "Looky here !" demanded Gap Johnson of Rumpus Ridge, who had entered the crossroads store in the midst of the statement. "Which one of my kids are you talking about?"

been tempered by the process are al- valuable silver piece ever coined in leged to have actually been made to the United States. It is said that the perform these seemingly impossible feats.

The process consists in the use of certain chemicals in water or oil in the tempering vessel. It is declared that any kind of tool-from a blunt hammer head to a keen-edged razorcan be tempered to a perfection never before attained.

How "Rook" Started

The game of chess originated in the Far East, and the piece that we now see shaped like a castle, was in Persian, the "rukh," or soldier.

In India, where a form of chess was much played, the "rukh." or soldier. was represented as fighting from a sort of howdah carried on the back of an elephant. This elephant piece is still to be found in some elaborately carved sets of chessmen of antique manufacture.

But in Europe there seemed no particular reason for retaining the elephant, so the castle-shaped thing upon its back was alone retained, but the old Persian name was not dropped, it merely obtaining the easier pronunciation of "rook."

How Athens Got Emblem How the olive tree came to be the emblem of Athens is told by Greek mythology. Two deities-Minerva and Neptune-wished to found a city on the same spot, and, referring the matter to Jove, the king of gods and men decreed that the privilege should be granted to whichever would bestow the most useful gift on the future inhabitants. Neptune struck the earth with his trident, and forth came a warhorse. Minerva produced an olive tree, emblem of peace.

Jove's verdict was in favor of Minerva, who thus became the patron goddess of Athens.

How to Make Cement

An effective cement for many substances can easily be made by soaking one part of glue in an equal quantity of water. The glue is removed before it has lost its primitive form, and the swollen mass is then dissolved in one part of linseed oil with the aid of heat until a jelly is formed. This joins wood tightly and is practically waterproof.-Popular Science Magazine.

How to Make Fume Oak

Fumed oak is wood that has been darkened by the fumes from liquid ammonia. The ammonia does not touch the oak, but the gas that comes from it acts in such a manner upon the tannic acid in the wood that it is browned so deeply that a shaving or office won't balance. two may be taken off without removing the color.

scarcity of this dollar was due to the sinking of a China-bound vessel, which had on board almost the entire mintage of the 1804 dollars in lieu of the

Spanish milled dollars. The first specimen of the 1804 dollar in the mint cabinet in Philadelphia weighs 415.2 grains, which is the weight of the specimen just located in Ohio .- Boys' World.

sons for one year can be stored in a grain elevator recently built at a railroad terminal on the eastern seaboard. dians, descendants of the Incas, oc-The structure, said to be the largest of casionally offer for sale small golden its kind in the world, will hold 2 500,- images unearthed from the ruins, the total crop of Iowa.

A townsman dropping in on a carefree college youth found him humped over a ponderous tome. Whereupon the following conversation ensued: "Yeh. Gotta." "How ?" "Geometry ain't like football." "Huh ?"

Dye Research in U.S. Costly Dye research in the United States since the outbreak of the European war in 1914, when German chemical dyes were substantially cut off from the world, had cost more than \$20,000,-900 up to 1920 and large sums have since been spent to perfect discoveries during those critical years. Nevertheless 43 per cent of the imported dyes in 1922 had again come from Germany.

Center for Furniture

furniture factories are .cating rapidly in the South and the state of North Carolina has become a thriving furniture center in the last five years. In 1910 that state had only 83 factories producing \$11,232,000 worth of furniture, but today there are 107 factories with an output of \$30,280,083. The pay roll has increased five times in this industry alone.

A Business Woman

Wife-What's the matter, dear? Iou look worried. Husband-The books down at the Wife-Can't you buy some new books?-Life.

The best figure obtained was that

Copper, tin, nickel and aluminum vessels were all found good, but iron was found to be much more easily attacked by foodstuffs. Tin, next to polished brass, stood out as the best material for the lining of cooking utensils.

Souvenirs

Almost every tourist who visita Egypt buys a scarab from a native curio seller. In Peru the Quichua Inwhich have much value. From the days of the Spanish conquest Peru has been the Mecca of treasure seekers, some of whom have made wonderfully rich strikes. On the plain of Chimu, near Truxillo, is a great mound said to contain treasure of fabulous value. Several attempts have been made to tunnel into it, but the sand has always poured down and stopped the work of excavation.

Pigeon's Great War Work

Among the homing pigeons displayed in the recent great poultry and pigeon show in London was one that did remarkable service in the war. The Mine Sweepers' Hope, as this bird was nicknamed, repeatedly made journevs from the middle of the North sea. and on four successive Saturdays arrived in England half frozen with important dispatches, and so warned the authorities of the approach of Zeppelins.

No Billboards on Oahu

Aroused by the increase in advertising billboards which spoiled vistas of mountain and turquoise sea, the women of Honolulu notified the merchants of the Hawaiian islands that they would buy no goods so advertised on the island of Oahu. Today there is not a single advertising billboard on the island.

Studying the Storm

"Let us be patient," said the hope ful friend. "All this trouble will blow over.'

"It'll blow over all right," agreed Senator Sorghum. "But maybe it'll be like a tornado I saw out West. It blew over, but it took everything in sight with it."-Washington Star.

Some National Debts

The national debt a head in the United States is about \$250. In Italy it is over \$500, in France over \$1,000, and in Great Britain it reaches the sum of ever \$800 In Japan it is only a little more than \$25.

Thieves' Tradition Broken

"If the prince is robbed it is by want of tact."

That is a tradition of the ancient and dishonorable craft of robbery and pocket-picking as practiced in Great Britain.

Despite the protection accorded by London thieves, Prince George's motorcar was ransacked the other day. The prince was robbed of a diamond tie pin and two pairs of diamond cuff links. one a "royal crescent" set, a gift from Queen Alexandra, the other a set of gold cuff links with the letter "G" in diamonds.

A purchaser into whose innocent hands the jewels had fallen turned them over to the police .- New York Journal.

Game in National Forests

According to a recent census of big game in the national forests, deer exceed the total number of all other animals. Their number is given as 440.-000. There are 48,000 elk, 12,000 mountain sheep, 8,600 mountain goats. 4,600 moose and 3,000 antelope. The number of buffalo is second only to the deer, being 149,000. Conservation of buffalo is no longer an issue. There will never be sufficient range for them to be hunted for sport, and they are in no danger of extermniation because they may readily be bred in captivity.

Handicap

The totally deaf may hear by touch, announces Prof. Robert H. Gault of Northwestern university. He has been working on this line for several years, and has almost perfected a mechanism by which sound waves are conveyed to the brain through the fingertips. Much more experimenting remains to be done. Deaf people must wait before becoming too hopeful.

Not Possible

Did my wife speak at the meeting vesterday?"

"I don't know your wife, but there was a tall, thin lady who rose and said she could not find words to express her feelings!"

"That wasn't my wife!"

Mute Witness

The Magistrate-Now tell me, did you or did you not strike the man? The Accused-The answer is in the infirmary, your worship .--- Sydney Builetin.

scale in the East.

Largest Grain Elevator Enough wheat to feed 500,000 per-

000 bushels. Figuring the United States average per capita consumption at about five bushels per year, the supply in this huge storehouse is sufficient to feed some of Europe's hungry nations for twelve months. The quantity that can be kept in this granary is estimated to be about one-fifth as much as

No Last-Minute Goal

"Studying?"

"Can't make a goal in the last two minutes."