



1  
00:00:06,740 --> 00:00:03,740  
why do you sometimes see unburnt trees

2  
00:00:08,450 --> 00:00:06,750  
next to a burnt down house conspiracy

3  
00:00:10,070 --> 00:00:08,460  
theorists would say that is because the

4  
00:00:12,560 --> 00:00:10,080  
houses were actually vaporized with

5  
00:00:14,209 --> 00:00:12,570  
beams of energy from space but the

6  
00:00:16,369 --> 00:00:14,219  
actual reason as many people have

7  
00:00:18,200 --> 00:00:16,379  
pointed out is simply that the wood in

8  
00:00:20,359 --> 00:00:18,210  
the houses is dry and the wood in the

9  
00:00:22,220 --> 00:00:20,369  
trees is wet now if you don't have a

10  
00:00:24,349 --> 00:00:22,230  
ward fire in your house this might be a

11  
00:00:26,900 --> 00:00:24,359  
bit hard to understand so I set out to

12  
00:00:28,550 --> 00:00:26,910  
do an experiment to demonstrate this the

13  
00:00:30,470 --> 00:00:28,560

first stop was my attic which like most

14

00:00:32,690 --> 00:00:30,480

new houses in California has an internal

15

00:00:34,280 --> 00:00:32,700

frame of two-by-fours there was a bit of

16

00:00:36,500 --> 00:00:34,290

scrap wood leftover from construction

17

00:00:38,330 --> 00:00:36,510

this was the same wood as the frame of

18

00:00:40,700 --> 00:00:38,340

my house so it was ideal for testing and

19

00:00:43,100 --> 00:00:40,710

then went out back to chop a live branch

20

00:00:44,840 --> 00:00:43,110

off a live tree and then chopped both

21

00:00:48,770 --> 00:00:44,850

the attic wood and the live wood into

22

00:00:50,630 --> 00:00:48,780

pieces about the same size when I

23

00:00:53,240 --> 00:00:50,640

weighed the acid water came out at about

24

00:00:57,020 --> 00:00:53,250

a pound and a quarter I then weighed the

25

00:00:58,939 --> 00:00:57,030

same sized piece of tree wood and it

26  
00:01:00,139 --> 00:00:58,949  
came out to be nearly twice as much most

27  
00:01:02,990 --> 00:01:00,149  
of that extra weight is coming from

28  
00:01:04,640 --> 00:01:03,000  
water and then built a symmetrical fire

29  
00:01:06,260 --> 00:01:04,650  
from kindling and put the live wood on

30  
00:01:08,510 --> 00:01:06,270  
the left and the acid wood on the right

31  
00:01:10,460 --> 00:01:08,520  
I lit the fire and fed it more kindling

32  
00:01:12,469 --> 00:01:10,470  
when he went out it was very obvious

33  
00:01:14,510 --> 00:01:12,479  
during the process that the live wood

34  
00:01:15,830 --> 00:01:14,520  
never caught on fire whereas the attic

35  
00:01:18,200 --> 00:01:15,840  
ward started burning almost straight

36  
00:01:19,429 --> 00:01:18,210  
away if you look at the twigs and the

37  
00:01:22,219 --> 00:01:19,439  
lead in the back you see they do

38  
00:01:25,969 --> 00:01:22,229

actually flare up at one point but most

39

00:01:28,399 --> 00:01:25,979

of the live wood remained unburned the

40

00:01:29,870 --> 00:01:28,409

attic wood on the other hand was on fire

41

00:01:31,810 --> 00:01:29,880

for several minutes and was charred

42

00:01:34,670 --> 00:01:31,820

partway through

43

00:01:36,590 --> 00:01:34,680

in fact when I chopped the two pieces of

44

00:01:41,149 --> 00:01:36,600

wood in half you could see that the dry

45

00:01:43,010 --> 00:01:41,159

wood was nearly half burnt and the wood

46

00:01:44,450 --> 00:01:43,020

from the tree only had a bit of

47

00:01:47,929 --> 00:01:44,460

blackening around the edges was

48

00:01:50,060 --> 00:01:47,939

essentially undamaged and remember these

49

00:01:52,550 --> 00:01:50,070

were subject to essentially exactly the

50

00:01:54,319 --> 00:01:52,560

same fire since the pieces were a bit

51  
00:01:56,090 --> 00:01:54,329  
large I did another experiment that was

52  
00:01:58,219 --> 00:01:56,100  
more to scale with my small fire

53  
00:02:00,920 --> 00:01:58,229  
I used a live twig and a small piece of

54  
00:02:02,840 --> 00:02:00,930  
dry attic scrap since the wood was small

55  
00:02:05,420 --> 00:02:02,850  
then any burning will be more sustained

56  
00:02:07,580 --> 00:02:05,430  
and complete and what happened again was

57  
00:02:09,080 --> 00:02:07,590  
the live wood just got a bit city but

58  
00:02:11,660 --> 00:02:09,090  
this time the dry wood burned up

59  
00:02:13,940 --> 00:02:11,670  
completely in fact the live wood was

60  
00:02:15,830 --> 00:02:13,950  
just as strong as it was before