

IN SEQUOIA NATIONAL PARK

HE Sequoia National park is years of age, of three that were over twenty-four years old, yet, 3,000, and of one that was 3,150. east of the Rockies, it is scarcely known. Yellowstone of the exodus of the Hebrews from and Yosemite are the only Egypt this oldest tree was a sturdy two names which the enormous majority of easterners think of when na- that of a cedar, but far more comtional parks are mentioned. Neverpressed. It was doubtless a gracetheless, Sequola is, perhaps, in point of average beauty, the superior of all. high, with dense, horizontal branches, It was dear to the heart of John the lower ones of which swept the Muir, father of National parks, and ground. Like the young trees of to-Chief Geographer R. B. Marshall, day, the ancient sequoia and the who knows them all as no other man clump of trees of similar age which knows them, having surveyed or tra- grew close to it must have been a versed them in person, has declared charming adornment of the landscape. in print that it possenses beauty as By the time of Marathon the trees great as all others combined. It is par excellence the camping-out

Big Tree park, and the general public associates the Big Trees of California soft bark six inches or a foot in thickwith Yosemite. The Mariposa grove, within easy reach of the Yosemite quired a slightly drooping aspect; and valley, contains several enormous se- the spiny foliage, far removed from quota trees. In fact the Yosemite Na- the ground, had assumed a graceful, tional park contains three groves of rounded appearance. Then for centness giants, the two others being the | turies, through the days of Rome, the Merced and Tuolumne groves, which Dark Ages and all the period of the

The Sequoia National park, how- pearance, strong and solid, but with a ever, which lies many miles south of Yosemite, was created to preserve, for the use and pleasure of the people of the United States, by far the greatest groves of the oldest, the biggest, and the most remarkable trees living in this world. They number 1,166,000. Of these, 12,000 exceed 10 feet in gether. diameter. The General Sherman tree. most celebrated of all, is 279.9 feet high with a diameter of 36.5 feet. The Abraham Lincoln tree is 270 feet high with a diameter of 31 feet. The William McKinley tree is 221 feet high with a diameter of 28 feet.

Of Mighty Dimensions. The General Grant National park is usually mentioned with Sequoia because, though separated by six miles of mountain and forest, the two are practically the same national park. 1: | 27 feet. contains only 2,536 acres and was created only for the protection of the General Grant tree, a monster sequeta 264 feet high and 35 feet in diameter. But General Grant shares his domain with distinguished neighbors, notably the George Washington tree, which is only nine feet less in

height and six feet less in diameter The sequoias are the oldest living things in this world. They are the connecting link," writes Ellsworth Huntington, "between the ancient East and the modern West.

"Three thousand fence posts, sufficient to support a wire fence around 8,000 or 9,000 acres, have been made from one of these glants, and that was only the first step toward using its hugo carcass. Six hundred and fifty thousand shingles, gumph to cover the roofs of 10 or 10 houses, formed the second item of its product. Finally there still remained hundreds of cords of firewood which no one could use because of the prohibitive expense of hauling the wood out of the mountains.

"Huge as the sequoias are, their size is scarcely so wonderful as their age. A tree that has lived 500 years is still in its early youth; one that has rounded out 1,990 summers and winters is only in full maturity; and old age, the three score years and ten of the sequoias, does not come for 17 or 18 centuries.

Growing Before Exodus. "How old the oldest trees may be is not yet certain, but I have counted the rings of 79 that were over 2,000 | \$1,500,000 a year.

caused those symptoms was torn out.

So now he knows beyond the perad-

venture of a doubt that there is some-

thing terrible the matter with him.

Elizabethan Dyes.

So far back as the days of Eliza-

aprove the dyes employed in Eng-

seth concerted measures were taken

but can't determine what it is."

ful, sharply conical tree, 20 or 30 feet

had lost the hard, sharp lines of youth, and were thoroughly mature. park, as some day will be discovered. The lower branches had disappeared, Perhaps the most potent reason for up to a height of a hundred feet or its lack of celebrity is that this is the | more; the giant trunks were disclosed as bare, reddish columns covered with ness; the upper branches had aclie within easy reach to the north growth of European civilization, the ancient giants preserved the same ap-

> quality." The Sequoias are found scattered all over the park, which has an area of 161,597 acres, but the greater trees are gathered in 13 groups of many acres each, where they grow close to-

strangely attractive, approachable

The following is a list of a few of the principal trees, with their names, height, and diameter; Giant Forest Grove.

General Sherman, height, 279.9 feet diameter, 36.5 feet. Abraham Lincoln, height, 270 feet;

diameter, 31 feet. William McKinley, height, 291 feet; diameter, 28 feet.

Muir Grove. Dalton, height, 292 feet; diameter,

Garfield Grove. California, height, 260 feet; diameter, 30 feet General Grant Grove.

General Grant, height, 264 feet; diameter, 25 feet. George Washington, height, 235 fest, diameter, 29 feet

The General Sherman tree was discovered by James Wolverton, a hunt er and trapper, on August 7, 1879, at which time he named the tree in honor of General Sherman, under whom he had served during the war.

Home of the Golden Trout. The general country is one of the most beautiful in America, abounding in splendid streams, noble valleys striking ridges, and towering moun-Some of the best trout fishing in the world is found here. The park is the home of the celebrated golden trout, which is found nowhere else in such perfection of color

These mountains and valleys form literally one of the most available pleasure spots on the continent. It is easily traveled and abounds in fine camping grounds. The water is drinkable in all the streams. Aside from the sequoias the largest, oldest, tallest, and most valuable forest trees are found here. There are forests of pine, fir, cedar, and many deciduous trees that are fairly royal. There are many shrubs, wild flowers, ferns and mosses of wonderful luxuriance and beauty. It is a park of birds.

lowa's bee industry has a value of

" cle Festus is in a deplorable be brought into the realme in the cond "," related Maudlin Morose greatest excellency, for thereof will "He such sinister symptoms and follow honour to the realme, and great so many of them that he is firmly and ample vent of our clothes." He convinced that he is being hurried to was instructed to "have knowledge of the tombuby a serious malady, but all the materials that may be used in just why it is he don't know. You dyeing, be they hearbs, weeds, barks. see. got hold of a patent medicine gummes, earths, or what els soever.

If any dyer of China be to toms which he at once recognized as be found in Persia, acquainte yourbeing the very ones that he himself self with him, and learne what you was entertaining, although he wouldn't may of him. Set downe in writing have known he had 'em if he hadn't whatsoever you shall learne from day read it there in uncompromising black to day, lest you forget or lest God and white. And then he found to his should call you: that come life or horror that the next page, giving the death, your country may enjoy the names of the awful disease which thing that you go for."

> Cause of Worry. Competent physicians are said to be agreed that most of the dyspensia so prevalent today is due to nothing but worry. As in other cases, "compotent physicians" confuse the cause with the effect. Dyspepsia is not due, to worry, but worry is due to dyspep sta All chronic dyspoptics worrs.

the Sunday School Course, the Moody Bible Institute, Chicago.)

LESSON FOR OCTOBER 3

ELIJAH IN NABOTH'S VINEYARD.

LESSON TEXT-I Kings 21:11-20. GOLDEN TEXT-Be sure your sin will find you out.- Num. 32:23.

Ahab disobeyed God and failed to follow up his victory over Ben-Hadad (ch. 20:8834); Thereupon one of the prophets resorted to a plan whereby Ahab was rebuked and also received a message that sent him "to his house heavy and displeased" (v. 43). All of this needs to be borne in mind when we study Ahab's course of action related in this lesson. Learn by heart the tenth commandment; also Luke 12:15.

i. The Schemes of Men, vv. 11-16, Ahab had been king for twenty years (B, C. 906?). Jezreel was his summer capital, about twenty miles northwest of Samaria. The chief actors in this tragedy were Naboth, a well-to-do citizen; Ahab, a petulant monarch to whom Naboth refuses to sell his vineyard; Jezebel, the Lady Macbeth of Ahab's court; elders and nobles of "In the days of the Trojan war and Jezreel, willing tools in the transaction; false witnesses, executioner, and Elijah, the servant of God, who consapling, with stiff, prickly foliage like fronted the monarch in his newly gained possession. Ahab was constantly in conflict with the purposes of God and with his Word. Naboth had no right to sell his vineyard (see Numbers 36:7; Lev. 25:23; also Ezek 46:16) and sturdily stood out for his God-given rights. These land laws were rigid, but at the same time wiso and beneficial. Instead of yielding to God's law Ahab sulks like a petted child (v. 4) and thus again runs counter to God's Word (see tenth commandment). At this juncture Jezebel. his wife, appeals to his pride and power as the king (v. 7), and offers to procure the coveted possession. The methods of mankind whereby vast possessions are accumulated do not always bear investigation; murder and rapine, broken bearts and shortened lives, weakened bodies and stunted children can largely be traced to the sin or covetousness, against which we all need to be on guard (Luke 12:15; Eph. 5:5). The first singer was covetous (Gen. 3:6), so also were the chosen people of God (Josh. 7:21), and it was this that caused the first dissension among Christian believers (Acts 5:1-3). Jezebel most graciously gave Ahab that which belonged to others; how free we all can be with the property of others! She also cloaked her designs with the mantle of religion (8-13). Notice she did not go to Jezreel berself, but "wrote lettern" and intrusted the work to others who did her bidding quickly, lest they be prevented. Their readiness is proof of the corruption which Jezebel had wrought in Israel. The world's most hellish atrocities have frequently been enacted in the name of and by professed disciples of God and of his Unconsciously Jezebel was sharpening the iron which pierced her own soul (II Kings, 10:1-7). "Whatsoever a man soweth that shall be also reap." Jezebel was a consciencelesa beathen, but Ahab had been in touch with Jehovah, hence his was the greater guilt when he profited by her

II. The Sentence of God, vv. 17-20. The dead Naboth was happier than his neighbors of Jezreel, the king and queen or any of the other evil participants. Ahal began by breaking the first commandment (I Kings 16:31; Deut. 5:7) and thus laid the groundwork of the whole train of evil for which he and his household and his roign are famous. The eiders readily obeyed the word of Jezebel and Ahab profited thereby, but now he was hear the Word of God and it was not to be so welcome. Recently we Elljah set aside, following bis flight from Jezebel, but he is not entirely beyind use and God now gave him new commission, one more task in connection with his old opponent There is nothing indicating cowardice in Elijah's bold challenge of Ahab and there is also a suggestion of a guifty conscience in Ahab's exclamation, "Hast thou found me, O mine enemy" (v. 28)? Ahab had "gone down to the vineyard of Naboth" (v. 16) to enfty the pleasure of possessing his ill-gotten treasure only to hear again his word of doom (ch. 20:42; 21-19). a poor exchange Ahab made (Mark 8:37), a throne and his life fr exchange for the carrying out of his own will and the possession of a vine yard. In that exact spot where Naboth had been foully stoned the dogs would lick up the blood of the king As is usually the case, the guilty sinner called the righteous servant of God his "enemy." yet had Ahab obeyed the Word of Jehovah as so frequently spoken by Elijah he would have discovered him to be his true and best friend, not his enemy. Ahab's sin had found him out (Golden Text, Num. 32:22). Having had his sin discovered, Ahab hears from Elijah his doom, though God graciously extended the time in response to his bit-

ter repentance (vv. 27-29). III. The Summary. Covetousness is not the mere desire for things we do not possess, but a deep longing which is willing to do wrong, to injure others, to profit by the evil deeds of others in order to come into possession. Covetousness seeks to gain at the expense of higher and better things; it is the extreme opposite of the spirit

of him who "gave all." The greatest danger of our land and the chief source of sin is covetousness It explains oppression, slums, abominable tenements, graft, liquor business, lust, robbery—these and many other evils which flow from the polother evils which flow from the pol-luted fountain head of covetous hearts. a beautiful round There is great danger in our desire

to have more and better this

DEVELOPMENT IN ROADWAYS AND TRACK STRUCTURES.

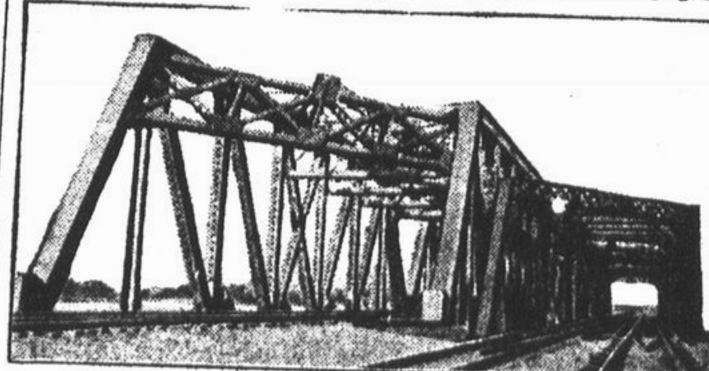
Engineers Have Kept Pace With the Changes That Have Taken Place in the Rolling Stock of the Railroads.

Although the contrast is not striking to the casual observer, the changes in roadways and track struc- with those of a steam railroad, and tures which have accompanied the has stood the test of heavy traffic rapid development of larger and heavier locomotives and rolling stock have been almost as great in the former as Angeles engineer. Its construction in the latter. If the original railroad and operation cannot well be deroadbed and trackage were to be com- scribed without the employment of

SHOW GREAT ADVANCE SHOCKLESS TRACK CROSSII

The familiar nerve-racking rattle and jar that a train makes at track intersections may be eliminated for eyer, if the claims made for the new shockless railroad crossing are substantiated.

The new crossing, it appears, has been tried out at Slauson Junction, near Los Angeles, Cal., where the lines of an electric railroad intersect most successfully.



Two Bridges of Different Periods Which Illustrate the Advance Which Has Been Made in Railway Bridge Construction.

which weighs 422% tons. The accom- pressed by a suitable mechanism, panying photograph shows two rail- leaving the through rails at grade so road bridges which illustrate two sepa- as to give a continuous bearing surrate periods in bridge construction. face. The ends of the movable rails The smaller one was built in 1889, and are framed at an angle with each the larger about twenty years later. other so as to form an interlocking If it were not that the former struc- joint. ture was built with nearly twice the turing the section is only slightly amount of steel actually needed at the greater than that of the ordinary one, time of its erection, it would be in- the additional expense for most instalcapable of supporting many of the lations being that represented by the trains which now ren across it.

AUTOMATIC STOP FOR TRAIN Device Consists of Charged Third Rail

About 100 Feet Long, Placed

at Every Block. The Gollos automatic train stop de vice consists of a charged third rail about 100 feet long, placed at every block. The energized track comes into contact with a shoe fastened on the

tender of the engine which is suscepti ble to the slightest influence. If there is another train within a radius of mile and a half, if there is a break in the track, or anything wrong at all warning is given to the engineer by shrill wistle placed near his seat. If he does not slow down his train at this warning, the air brakes automatically set. This air is applied quickly, but in

a way that stops the train gradually. Aside from the fact that the demonstrations already given have proved the practicability of the device, the inventor claims that it is more economical than automatic installations made according to present practice. In addition, it has the advantage of, first, train control; second, visible and sudible signals; third, automatic record to check the engineer, thereby holding him to a close observation of signals.

SMITH MAKES HIS OWN WA

President of New York Central Lines Started Career as Messenger Boy at Fourteen Years.

Alfred H. Smith, a year ago elected president of the New York Central railroad lines, began his railroad career as a messenger boy at the age of fourteen. Seeing little hope for acvencement as a clerk he, a few years later, applied for work on the outside. and started all over again, this time as a section hand. He gradually worked his way upward, learning railroading In a practical manner, until at twenty five he was made superintendent of the Kalamazoo division. Thirteen years ago he was transferred to the New York Central & Hudson River railway, the main Vanderbilt property. acting successively as general super intendent, general manager, vice-president and senior vice-president, in charge of operation, maintenance and

The Experienced Driver. Experienced auto drivers make it a practice to always look at the gear shift lever before cranking a car; also dred and fifty thousand miles of track. to note the position of the spark control lever. Of course the experienced driver always leaves these in the right position, but he takes no chances on anyone having changed them. Now that most cars are equipped with selfstarters, there is not so much trouble Frankfort's and Dresden's Main and from cranking with the gears in mesh | the Cologne stations. or with the spark advanced, but it also injures the starting device to violate these rules, and even with a self-start er on the car, you should observe

Keep Clutch Leathers Soft. Clutch leathers should be kept soft that the clutch will slip, and burn and char the leather. If after applying the oil the clutch slips, sprinkle a little fuller's earth on the leath- which project from the eaves of the er, thus absorbing the surplus oil. This houses. As the net dries it shrinks,

Weight of Building Materials. Granite or limestone masonry, well dressed, weighs 165 pounds per cubic foot; mortar rubble weighs 154 pounds. straight story." "It sounded so, but dry rubble 128 pounds and well when I questioned him as to his home

Peculiarities of Dye. Closely related to yeast, fungi discovered in preweries by a Japanere

Engineer's Invention Takes the Noise and Jar From Railroad Intersections.

The device is the invention of a Los pared with those of today, the differ- diagrams and the technical jargon of

ence would be almost as noticeable as | the engineering world. However, acthat between Stephenson's famous cording to the Electrical Railway Jour-"Rocket" and the new articulated nal, "the general principle is that the compound engine of the Erie railroad rails which are not in use are de-

> The following description of the device and summary of the arguments in its favor is taken from the Railway Age Gazette:

cost of installing the operating mech-

"The claims made for this crossing include the following: It prevents shock, which with ordinary crossings results in noise and in wear on equipment and track work entailing additional maintenance cost. The main frame or body, when once placed on a good earth or concrete foundation, will last indefinitely, and all parts subject to wear can be replaced without disturbing the foundation. The rails used may be of any cross-section used in the adjacent track, and they are subjected only to rolling wear without shock. The crossing can be operated from a tower, from a moving train by electrical contact or by hand, air pressure or otherwise. It can be applied to any angle of intersection or to combined intersections of broad and narrow gauge track, or to a three-rail intersection when both broad and narrow gauge tracks use one of he three rails in common. The rails cannot be moved sideways by a force less than that which would cause the flange to climb the rail; the rails cannot be clogged by snow or ice or by any material dropped or placed on any part of the crossing; there are no parts of the operating mechanism exposed to view or to the weather, preventing their being tampered with."

RAPID GROWTH OF RAILROAD

Locomotive Pulled Load of Freight Hundred Years Ago-Fastest Trip Ever Made.

One hundred years ago the first steam locomotive hauled a load of freight over rails in England. On the same day the New York newspapers told of a test, after that century, conducted at Binghamton, N. Y., when an engine pulled 250 loaded cars, weigh ing 21,000 tons.

It was only last November, the 25th. to be exact, when a special train, consisting of a locomotive and two cars, ran from Washington to Jersey City. 226 miles, in four hours, the fastest trip ever made between the two cities. From a little more than nine thousand miles of railroad tracks in America in 1856, thirty years later the mileage had grown to more than ninety-three thousand. Twenty years after that it had more than doubled the 1886 figures. In the United States today there are more than two hunthe total mileage being greater than that of all Europe and Asia combined with Australia thrown in. New York's terminals alone covers in acres almost double the area of London's Waterloo, Paris' St. Lazare,

Fishnets Protect Roofs. The thrifty fishermen w' inhabit the coasts of England have a scovered a new use for their old fishnets. During the heavy gales which blow in from the Atlantic during the winter season the fishermen are in constant fear of their straw-thatched roofs being torn away. To counteract the disastrous effects of the wind old fishnets are thrown over the roofs and their ends made fast to the stout poles is cheap and can be bought at any and the roof is held down securely.-World's Advance.

Rather Fishy.

"What made you distrust that ftalian refugee? I thought he told a dressed sandstone masonry 144 and occupation he said he was a street cleaner in Venice."-Baitimore Ameri

"Golfing one bright winter day, had for caddle a boy who didn't know me. An unfortunate stroke landed w in a clemp of high grass.

"'My, my!' I said. 'What am' "'See that there tree,' said the boy. pointing to a tall tree a mile away. Well, drive straight for that.

"I lofted vigorously, and, fortunate ly, my ball soured up into the air, it landed, and it rolled right on to the putting green. "'How's that, my boy?' I cried.

"'Gee, boss,' he said, 'if I had your strength and you had my brains, what a pair we'd make!" "-Tit-Bits.

Naturally.

"His wife suspects that he lives double life." "So she is naturally anxious to find out how the other half lives."

The Limit. "How do you stand the heat?" "Much better than I can stand the man who insists on talking about it."

the only remaining large body of undeveloped corn land in the

Land that will double, triple and quadruple in price just as sure as day follows night. Good corn land will in the future it has in the past and does at the present command the high price. 50,000 acres of good, rich, alluvial, cut-over, bottom both drained and undrained, level as the Illinois prairie, rich the Valley of the Nile; no rocks, hills or gumbe, but me sandy loam soil, always works well, short mild winters, growing seasons, abundant yields of all staple crops, corn, wh alfalfa, clover, timothy, cow peas, potatoes. Two crops a ye off of the same land. Land owned by Himmelberger-Harri Lumber Company, the largest hardwood manufacturers in Min souri, largest land owners in Southeast Missouri. Men who he in the last 15 years sold over 100,000 acres of this same kind of land to over 1,000 different people, all of whom have made go They have never foreclosed on a purchaser or taken back an acre of the property. Sales from February first to Sept. 20th, 16,643 acres to 133 separate and distinct people. Can you beat it? In tracts of 40 acres up, 10% cash, 10 annual installments with interest. Warranty Deed backed by over \$3,000,000 assets the payment of only 10% in cash. Can you equal it? Come and our corn land.

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said the proprietor to the w

"What do you mean, boy?"

the wire. Did it go as far as

When all others fall to ple

"What caused the coolness lies!

Try Denfaon's Coffee.

What Generated It.

other lady's two dollars?"

"A heated argument,"

you have sharp twinges when

dissiness and urinary disturbances

or lifting? Do you feel all w

dollar goes a long ways in this all

"How far did your dollar go?"

"I mean the dollar, me, that

man put into that little racing one on

Would Be Worth While. Two irishmen were walking into Dublin from one of the outlying villages and fell to diffcussing the war and the consequent increase in the tomer. cont of living.

"But have ye heard the latest news?" says Tim. "No," says Pat. "Phwat is ft?"

There's a penny off the loaf." "Redad," said Pat. "I hope it's off the penny ones."

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Sort of Coolish. The hero worshiping young girl was fluttering about the soldier just re turned from the war. "They tell me," she said, 'that in times of langer you

were as cool as an iceberg." "I should say I was," said the young soldier. "Why, I was so cool I actually shivered."

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