

S. P. & S. TIME TABLE

From Portland		
Leaves	Arrives	
Train. Portland. St. Helens		
No. 21..... 8:10 a. m.	9:12 a. m.	
No. 25..... 12:25 p. m.	1:33 p. m.	
No. 27..... 5:15 p. m.	6:23 p. m.	
No. 23..... 6:15 p. m.	7:09 p. m.	
To Portland		
Leaves	Arrives	
Train. St. Helens Portland		
No. 26..... 7:59 a. m.	9:15 a. m.	
No. 22..... 11:16 a. m.	12:20 p. m.	
No. 28..... 3:31 p. m.	4:40 p. m.	
No. 24..... 8:52 p. m.	9:50 p. m.	

Buses leave for station about 20 minutes in advance of above time.

FIRE ALARM BOXES

Muckle's Corner	22
Rutherford's	23
Saxon's	24
City Hall	32
School	33
M. C. Gray	34
Central Grocery	42
Swede Hotel	43
Nigger Creek	44
Hazen's	45
Hospital	53
West St. Helens—	
Depot	54
Prescott's Corner	55

CHURCH NOTICES

Congregational Church
10 a. m., Bible school.
11 a. m., morning worship. Communion service.
6:30 p. m., Christian Endeavor.
7:30 p. m., evening worship.
Theme: "Salvation; What and How?"

The Bible and Social Study class will continue its meetings each Tuesday evening at the church at 7:30. The subjects for Tuesday, January 9, are "Co-operation in the Family" and "The Larger Family, the Community." You are always welcome.

Methodist Episcopal Church
"The Friendly Church"
Albert S. Hisey, Pastor.
Sunday school, 10 a. m.
Morning worship, 11 a. m.
Epworth league, 6:30 p. m.
Evening service, 7:30.

Subject for the morning, "Come and See." Reception of new members and the Holy Communion will be features of the morning service. If you have a church letter, bring it. If the church of your choice is not located here, unite with us in the work of building the kingdom.

Subject for the evening, "The Greatest Gift."
Did you make those New Year resolutions? Surely one of them was that the church of God shall have a right share of your interest and support in the new year of 1917.

To all of the good people of St. Helens, we extend greeting, and wish for them a splendid and happy year.

Inspired
"Children," said the teacher to her class in composition, "you should not attempt any flights of fancy, but write what is in you."

As a result of this advice, 8 year old Richard passed in the following composition:

"We shall not attempt any flights of fancy, but rite just what is in us. In me there is my stummick, lungs, liver, two apples, two cakes and my dinner."—People's Home Journal.

THAT BUDGET MEETING
(Contributed)

"Twas on the thirteenth of December
The budget meeting met,
A noted day we'll all remember,
And not forget, you bet!

The curtain rose, the stage was set,
The budget then was read;
And the way the bunch then roared
and sweat
Was enough to wake the dead.

"War Horse" was there and riz the hair,
And made the windows ring;
And Harvey Brown, from Quincy town,
As usual took a fling.

Mode Griffith's bray, from Yankton way,
Resounded through the hall;
A dozen times he had his say,
A most disgruntled bawl.

Then Evenson shot off his gun
Straight at the county court,
And almost put them on the run;
He made them puff and snort.

Then Anderson from Clatskanie
He made us laugh, he made us cry,
He made the road tax soar up high,
Then turned and winked the other eye.

Then Arthur Hall straight up he riz
And yelled, "We want more roads,
So our 'Tin Liz' piled high with biz
Can travel with its loads."

In rage Oleen, his eyes turned green,
Yelled "Cut the tax we must."
He spit and raved and foamed with spleen,
And made them bite the dust.

The roads were damned, the court was panned,
And then we took a vote;
We put a plaster on our land,
And made ourselves the goat.

The meeting then adjourned once more
To meet again next year,
While some of us felt awful sore,
And almost shed a tear.

—Shakespeare.

According to the Formula

A tramp knocked at a kitchen door and said: "Please, kind lady, I'm a sick man. The doctor gimme this medicine, but I need something to take it with."

The lady was ready to help. "Poor fellow!" she said, "do you want a spoon and a glass of water?"
The tramp answered: "No, mum, I wouldn't trouble you. But this medicine haster be took before meals. Have you got a meal handy?"—Christian Herald.

"Remember," says the booking agent, "the Op'ry house at Plunkville can book only a certain number of plays."

"What's their specialty—something educational?"
"Not that. But the Op'ry house is over a livery stable and any show liable to scare horses can't be booked."—Kansas City Journal.

PLACER MINING
IN THE DESERT

Gold Deposits by Ancient Streams Now eBling Mined.

To one unacquainted with local conditions a semiarid region, entirely lacking flowing streams, would not seem to be a promising field for placer mining, yet the gold produced from the placer mines of the Manhattan district, in central Nevada, has nearly equaled in value the gold taken from its lode mines.

Manhattan Gulch, which during the last decade has produced nearly \$1,000,000 in placer gold, is a dry, gravel-filled valley extending westward from the center of the Toyabe range to Big Smoke valley. The bedrock on which the pay gravel rests lies from 40 to more than 100 feet below the surface, and water is scarce, so the gold must be recovered by underground mining. An underground stream flowing along the bottom of this gravel-filled gulch supplies sufficient water for sluicing the gold-bearing gravel. In places this gravel is extremely rich. Material carrying as much as \$50 a cubic yard has been mined from the best ground, and throughout the productive portion of the gulch the pay gravel has generally yielded over \$2 to the cubic yard.

Many unusual and interesting features are presented in these deposits, which are described in detail in Bulletin 640-J of the United States geological survey, department of the interior, by H. G. Ferguson. Elephants, deer and native wild horses were once inhabitants of this part of Nevada, and when the gold was first deposited in an old stream bed, a large lake occupied the dusty desert which gives Smoky Valley its name. The later history of the region, with its successive changes of climate, has been traced by interpreting the record left by the different types of gravel beds that have so deeply buried the rich gravel.

A peculiarity of the gold of the placer gravels is that downstream from its source the gold itself shows a marked increase in purity. At the upper end of the gulch the bullion contains 700 parts gold per 1,000, but at the westernmost mine, two miles downstream, its fineness has increased to 740 parts per 1,000.

A copy of bulletin 640-J may be obtained from the director of the geological survey, Washington, D. C.

FOREST NOTES

Tests at the forest products laboratory at Madison, Wis., indicate that by the use of four additional nails in each end an increase of 300 per cent in the strength of canned-food boxes is secured.

Approximately 10,390 acres of denuded lands within the national forests were reforested in the fiscal year 1916. The total number of trees planted was 6,146,637, while 8,280 pounds of tree seed were sown.

There were 133,442 more cattle and horses, and 605,338 more sheep and goats using the national forests in 1916 than in 1915. This increase was in spite of large eliminations of grazing lands from the forests. It is accounted for by improved methods of handling the stock and by more intimate knowledge of the forage on the ranges and their carrying capacity.

The number of fires suppressed on national forest lands during the calendar year 1915 was 6,324, as against 7,018 in 1916, and an average annual number of 4,759 during the past five years, says Henry S. Graves, chief of the forest service, in his annual report just published. While more than the average number of fires occurred the timbered area burned over was but 155,416 acres, or 30 per cent less than the average per year for the period 1911-1915 inclusive. The average loss per fire was \$60.41. Forty-four per cent of the fires were confined to areas of less than one-quarter of an acre.

It is estimated that there are more than 30,000 sawmills in the country. Each of these mills in operation will be asked by the forest service to make a detailed report of its production. Information is sought as to the total quantity of each kind of wood sawed, the number of laths and shingles manufactured, and the average mill value for each species.

Representatives and senators to congress from Massachusetts have received the following telegram from one of the largest shoe manufacturers of Lynn, though a former president of the Massachusetts Retail Shoe Merchants and Manufacturers Association: "The condition in the leather market is extremely serious and prices are advancing daily. If present conditions exist for a much longer time the manufacturers will be unable to secure stock enough to make shoes for the American people. Will you aid in starting a governmental investigation through the proper channel to protect the manufacturer, retailer and public?"

Jackson's Flag

A graceful act of courtesy to a chivalrous foe is that of the Illinois legislature in returning to New Orleans the historic flag of General Andrew Jackson. It is a faded relic more than 100 years old, which has "smelled powder" on the battle fields of three wars. Carried by Jackson's men when they won their victory over the British at New Orleans, later the emblem of a Louisiana regiment in the Mexican war, when the trying days of 1861 came the venerable piece of bunting, a little tattered from its honorable service, was still intact and carried into many a fight. Since the war it has reposed in the Illinois memorial hall in the state-house at Springfield.

Three generations have come upon the scene since its capture, and now the grandsons of the men who bore it back beyond the Ohio will return it to the great-great-grandsons of those who fought beneath its folds. It is significant that the bill providing for its return to New Orleans was introduced in the Illinois legislature by a veteran who lost a leg at Vicksburg and took part in the very battle in which the flag fell. True soldiers are ever the first to forgive their enemies.

His Little Ones

A forlorn little fox terrier limped up the driveway to the General hospital, holding one paw from the ground. Unobserved he followed the orderlies as they carried an injured man into the receiving ward.

It was not until Dr. J. C. Lynch had finished treating his patient that he heard a whining and a whimpering sound at his feet.

The little dog, holding up a badly crushed fore paw, was looking appealingly up at the doctor. Pathetic brown eyes seemed trying to explain something.

Dr. Lynch took charge of the canine patient, anointing the injured foot, and bandaging it with care. And after a grateful lick at the doctor's shoes the fox terrier limped away.

Might Lose Ball, Too

Two English soldiers caused some amusement at a golf course the other day. The first man teed up and made a mighty swipe, but failed to shift the ball. The miss was repeated no fewer than three times. "For heaven's sake, Bill," the other broke out, "hit the thing! You know we have only four days' leave."—Philadelphia Ledger.

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Be On Time

The New Year is a good time to start to be on time. If the old watch needs repairs bring it to me; or if you haven't a watch come and look over our line.

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