

SNOQUALMIE TUNNEL THROUGH CASCADES

Bore Known as "Lucky Tunnel," as Not a Man Was Killed in Its Construction—Will Help the Milwaukee Into Seattle.

Daylight is through the big Snoqualmie tunnel on the Milwaukee through the Cascades. This work was brought to Missoula yesterday by Chief Clerk Harry Nelson of the Missoula division of the road, who returned from a trip west. Mr. Nelson saw the tunnel and talked with J. I. Horrocks, the engineer who was in charge of the work.

Mr. Horrocks is enthusiastic over the big bore and the speed with which the work was done. This bore, he says, will reduce the snow trouble of the Milwaukee about 55 per cent. The tunnel is 1,000 feet long and shortens the line between Seattle and Chicago. The bore was made through granite and slate.

Men Known Here.

J. I. Horrocks is well known in Missoula, having had charge of the building of the Taft tunnel and of other large tasks in western Montana and Idaho on the Milwaukee. Angus Christensen, general foreman on this work for Mr. Horrocks, was formerly a student at the University of Montana and for many years a Missoula resident. The rapid construction of the Snoqualmie tunnel is a triumph for them. The "lucky tunnel" of the Milwaukee, 12,000 feet through the Cascades at the summit of the Snoqualmie pass, was completed, sweating construction crews in the bowels of the granite and slate mountains shook hands where bores from two sides met, congratulating one another that no lives were lost.

Other Big Tunnels.

In 1872 the St. Gothard tunnel between Goerchen and Airolo in Switzerland was begun. It was finished in 1880. During the progress of the work 800 men lost their lives. The Simplon tunnel between Brieg, Switzerland, and Iselle, Italy, was begun in 1898 and completed in 1905. In this work owing to improved methods of protection, only 60 men were killed.

When the coast extension of the Milwaukee road was put through in 1908, that portion of the line between Rockdale and Keeschelus was built over the summit to expedite completion with the expectation that a tunnel would be built as soon as traffic conditions warranted. Those conditions became so immediately pressing that work was begun on the big project in 1912 with the intention of completing it within five years, but snow trouble in the mountains that year was of such extent and so costly that in the spring of 1913 it was determined to crowd the work with all possible dispatch. From that time to the present drills have been chewing the heart out of the mountain, incessant champing of their steel teeth, and the men employed in the bore have hardly seen daylight.

Will Lower Cost.

The completion of the Snoqualmie tunnel will not only greatly lower cost of operation on the western end of the system by reducing the number of extra engines now required to negotiate a 45-foot rise and fall between Rockdale, Wash., and Keeschelus, 50 miles east of Seattle, but it will contribute vastly to the comfort and peace of mind of the traveling public by eliminating to practically the vanishing point delay from snow blockades in the mountains which were productive of tremendous expense and trouble to all transportation lines crossing them, especially during the winter of 1912-13. The completion of the tunnel is declared certain to reduce snow trouble 95 per cent.

To Blossburg.

F. L. Birdsall, superintendent of the Rocky Mountain division of the Northern Pacific, accompanied General Superintendent A. V. Brown to Blossburg last night, where they will inspect the ventilating plant installed at the Blossburg tunnel.

RAILROAD OFFICIALS REACH AGREEMENT UPON WHICH NEW RATES WILL BE BASED

Officials of the railways west of Chicago, which are preparing to ask from the interstate commerce commission a general increase in rates as soon as the decision in the eastern rate advance case is issued, have agreed upon a tentative program.

A horizontal advance of 10 per cent on all interstate traffic is the backbone of the requests the roads will submit to the commission.

In addition to the horizontal increase certain definite advances on important commodities will be asked. An increase in the rate on lumber of two cents a 100 pounds will be asked, together with an increase of one cent a 100 pounds on grain and grain products and of 10 cents a 100 pounds on coal and coke.

Permission will be asked by the carriers to make charges for special services now performed free.

Among these will be charges for allowing grain to be milled or mated in transit, for spotting cars and for storage of all classes of freight, either in transit or at destination. The roads will seek to discontinue allowing free time at ports on shipments for export, and to restrict the absorption of switching charges.

An attempt also will be made to settle the problems of classification.

Section Men Laid Off.

On the Missoula division of the Milwaukee during the past few days, about 350 men have been laid off work of fixing track. These men were employed in extra gangs and on the sections.

The sections are now being looked after by the usual winter force of section men. All repair work, other than that of actual maintenance, has been discontinued in Montana by the Milwaukee, it is said.

Reports received from the eastern part of the state indicate that all divisions are following the same retrenchment method exercised on the Missoula division of the road.

Examinations Are Coming.

Notice is received in the local office of the Northern Pacific yesterday that all trainmen, engineers, firemen, dispatchers, operators, section and bridge and building foremen will be expected to take an examination January 1. This will really be a re-examination as the men all appeared for quizzes before they began service for the road and took another examination in 1911. In the interests of safety, says the notice, all of these classes of railroaders must be examined at least once in three years.

The January examination will cover questions in the new book of rules, issued a short time ago.

Personally Conducted.

Melvin Johnson, city ticket agent for the Northern Pacific, yesterday personally supervised the journey of the Methodist Sunday school picnic to Evaro. The tickets were sold on the train and "Mac" was by far the busiest man aboard the two special cars that took the pleasure seekers to the top of the first big hill to the west.

A. V. Brown Here.

A. V. Brown, general superintendent of the Central district of the Northern Pacific, spent yesterday in Missoula. He arrived in the small hours of the morning, his private car having been attached to a freight train at Paradise. Mr. Brown went to the western end of his district in company with George T. Slade, first vice president of the road.

Sad News.

Word was received in the Northern Pacific offices yesterday that the father-in-law of Hugh Stoll, has died in Helena. Mr. Stoll, who is stenographer in the trainmaster's office, is at present with his wife in the Capital city.

Conductor Maxwell Visits.

Conductor D. C. Maxwell of the Yellowstone division of the Northern Pacific, arrived in Missoula yesterday morning and went to Lolo, where he will visit his daughter for a few weeks. Mr. Maxwell's home is in Glendive.

Engineers Here.

Andrew Gibson, chief engineer of

Society

For Miss O'Leary. Mrs. W. D. Shea gave a lawn fête Wednesday at her pretty home, 314 East Front street, in compliment to Miss Catherine O'Leary. Small tables prettily decorated with sweet peas were placed about the lawn, which was lighted with Chinese lanterns and electric lights. Early in the evening those who wished enjoyed a game of cards while others preferred to dance to the music of a Victrola. There was a

Local Brevities

Fine rooms; 315 East Cedar.—Adv. Dr. J. G. Randall was called to Arlee yesterday on professional business.

8% money to loan. J. M. Price Co.—Adv. N. Y. Life, M. R. C. Smith; phone 323.—Adv.

Mr. and Mrs. T. H. Murphy left yesterday for a motor trip to Lette. They will visit there for a week or 10 days.

Taxicabs and touring cars for hire; day and night service. Phone Bell 33.—Adv. Money to loan, The Banking Corporation.—Adv. S. H. Ketcham, civil eng., 220 Higgins.—Adv.

Just Nelson and family are expected home from Livingston today, after having visited there for a few days with friends.

Dr. Anna James, osteopath Higgins block. Phone 834 black.—Adv. Miss Bessie Bennett and her guest, Miss Honsaker of Dillon, have gone to Thompson Falls to make a short visit with Mrs. Louise Dodds.

Our 6 per cent first mortgage certificates affords an ideal investment for your savings. The Banking Corporation.—Adv. Create a fund for the rainy day that is sure to come. We pay 4 per cent interest on savings account. The Banking Corporation.—Adv.

Dr. Willard, osteopath, 1st Nat. Bk.—Adv. Marsh, the undertaker, 311 W. Cedar. Phone 321.—Adv.

C. P. Drewry of Long Beach, Cal., left yesterday for his home, after having come to Missoula to purchase the Victoria hotel.

Newton H. Schweiker, Optical Specialist. Rooms 203-205 Montana Bk.—Adv. David Maxwell of Glendive, formerly member of the state legislature, passed through Missoula this morning on his way to Lolo to visit his daughter.

Mrs. M. G. McLeod and Mrs. George McLeod and children of Butte are visiting in Missoula at the home of their mother, Mrs. E. Greiser of the North side.

Dr. Ward, veterinarian, Both phones.—Adv. Eric Johnson, native of Sweden, and Carl Muller, born in Germany, each were granted second papers in their application for full citizenship in the district court yesterday.

Money to loan on ranch and city property. H. D. Fisher, 113 E. Main.—Adv. Mrs. J. E. Power of University avenue was delighted yesterday to welcome her sister, Miss Amelia Harrison of New York city. Miss Harrison comes to spend the summer as Mrs. Power's guest.

Chiropractor Moore, Hammond Bk.—Adv. M. N. Harvey, arrested Tuesday for indecent exposure, was tried and found guilty in the court of Justice Dyson. The judge gave the offender a sentence of 60 days in the county jail this morning.

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Autos for hire. Phone 573. Garden City Garage.—Adv. Twenty per cent discount on all Goodwin corset samples through the month of August. Come in and see if your size is here. Room 312 Hammond block.—Adv.

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Women's Tailored Suits and Coats One-Half Price

This includes every suit and coat in our stock. Women who are economically inclined will find in this sale a rare opportunity to save. They are all this season's styles and the materials are very desirable. Your choice of any suit or coat in stock HALF PRICE.

All women's Lingerie Dresses are now reduced one-quarter. All women's silk and wool dresses are now reduced one-third.

All Women's Muslin Underwear Reduced ONE-THIRD

Corset Covers, Gowns, Skirts, Combination, Princess Slips, Drawers, etc., muslin wear that is made right, of good materials and trimmed with best wash laces, Valenciennes and embroideries. This is a rare opportunity to replenish your muslin wardrobe and save money. See Higgins avenue window.



Cary. Those present at this rare musical treat were: Rev. and Mrs. Gately, Mr. and Mrs. C. L. F. Kellogg, Mrs. and Mrs. Robert Pugsley, Professor and Mrs. M. E. A. Cary and Miss Hoopstra. Dainty summer-time refreshments were served by the hostess.

W. C. T. U. The ladies of the W. C. T. U. will meet next Wednesday with Mrs. Corbin at her home on South Fourth street. The business of the meeting will be to make suitable arrangements for the reception of Mrs. Armor of Georgia, who will be here on August 31 to talk on Christian temperance work. Mrs. Armor has the reputation of being a splendid speaker for the temperance cause and the ladies of the local W. C. T. U. are anticipating the arrival of this worker with a great deal of pleasure.

Hungry Six. Miss Alice Hershey is entertaining the Hungry Six club for the week-end at Camp Linger-longer, Bonner. Mildred McQuarrie, Virginia Lebkicher and May Wilson joined the party Wednesday.

Sunday School Class. The Sunday school class of Miss Jennie Rowe, chaperoned by Mrs. Fox and Rev. E. D. Gallagher, left early yesterday for an all-day outing up the Tattlesnake valley. The trip is in the form of a reward of merit, this class being the banner class of the "Congregational Sunday school." The young ladies who participated in the merry affair are Misses Lela Paxson, Beulah Waltemate, Helen Currie, Helen Freeman, Edith Hayes, Effie Brock, Edna Brock, Edith Baker and Gertrude Knott.

Johnsons Camping. Mr. and Mrs. Charles Johnson left yesterday for a four-days' motoring and camping trip. They have with them as their guests Dr. and Mrs. Kennett and children, Mr. and Mrs. J. H. E. Chaney, Rev. and Mrs. Gately and Cecil and Charline Johnson. The party will motor to Kellogg, Idaho, where they will be entertained by Dr. and Mrs. Kennett.

To Warden's Ranch. On the westbound Northern Pacific train yesterday was a happy party, bound for a fortnight's sojourn at the Horace Warden ranch near Ravalli. Annabel Ross, Mildred Ingalls, Margaret Ronan and Isabel Ronan comprised the group. They will be joined in a day or two by Ruth Warden. Dan Ross and Matt Ronan had been commended to act as company secretary and they were laden with impedimenta sufficient to carry one of Caesar's legions through a couple of Gallic wars.

Pleasant Trip. Misses Ruby and Esther Jacobson returned Tuesday from a six weeks' trip to the coast. After attending the Y. W. C. A. conference at Cohasset Beach, Miss Ruby Jacobson went to Seattle to meet her sister. Together they visited friends in Seattle and fully decorated with roses, sweet peas and nasturtiums. Yellow and white was the color scheme carried out in the refreshments. Those present were: Mesdames Kohn, Coen, Frank Thomas, Dennis Curran, T. A. Price,

Paul Gerber, Hirschburg, Haskel, N. S. Alexander, Cozzins, Harrington, Crouch, George Brooks, A. J. Gibson and Miss Lang. The ladies spent the afternoon at needlework and cards.

Methodists Enjoy Day. The best Methodist picnic in years was the way yesterday's affair is considered by all who were fortunate enough to enjoy the day with the young folks of the church at the Evaro grove. There were adults along in goodly numbers and they all were young, or at least acted so, for once in their lives. The grove proved a most beautiful ground for such an outing. There were no mosquitoes and plenty of grass was available as a table where the big picnic dinner was spread.

The party, 125 in number, left yesterday morning in two special coaches attached to Northern Pacific train No. 41. The coaches were set out on the Evaro siding and remained there all day. The picknickers returned home with train No. 42 last evening.

MRS. MARCHMENT'S RECIPES

Best Ever Salad.

Cut the stem end from green peppers, remove seeds and white part, and stand in cold water ten minutes. Stand upside down to drain. Cream a jar of pimiento cheese, with a little of the mayonnaise, and fill the pepper, taking care to fill every crevice. Lay aside to chill and get perfectly cold.

When ready to serve, cut the peppers in slices, one-quarter of an inch thick. Serve on a lettuce leaf, two slices one over-lapping the other. Garnish with mayonnaise and crisp cucumbers. French dressing may be used instead of mayonnaise.

Mayonnaise Dressing.

Beat the yolks of two eggs with half a teaspoonful of salt and one teaspoonful of mustard. Beat in a little at a time 15 teaspoonfuls of melted butter. When a smooth paste, dilute with vinegar until the consistency of thick cream.

SAYS U. S. NEEDS 1,000 AEROPLANES

Claude L'Engle, the new congressman from Florida, has just introduced a bill in the house to appropriate \$15,000,000 to build a fleet of 1,000 aeroplanes for the use of our army and navy. "The United States has twelve obsolete, man-killing aeroplanes and nary a dirigible," says Mr. L'Engle, "while England, Germany, France and Russia have each spent more than a million dollars this year for air machines for war."

Recent averages of the Canadian league show 20 men batting for 300 or better. Kuley Harris of the Erie team tops the list with an average of .361.



CLAUDE L'ENGLE

Cool Food for Hot Days

Better health comes with less meat and greasy food during the warm weather.

By proper and pleasant food one can feel cooler than his over-fed neighbor.

Grape-Nuts and Cream

—some fruit and a soft boiled egg, or two, is sufficient for the hot weather breakfast. An ordinary portion of Grape-Nuts and cream contains nourishment to sustain one until the noon-day meal; and being a partially pre-digested food, it does not over-tax the stomach and heat the system as do heavy, greasy foods.

These suggestions, if followed, should show that one can have a cool body, active brain and energy—even in hot weather.

"There's a Reason" for Grape-Nuts

TWENTY ASPIRANTS FOR OFFICE OF SHERIFF

WHILE NUMBER OF OTHERS ABOUT RAVALLI ARE WILLING TO TAKE OTHER OFFICES.

Hamilton, Aug. 6.—(Special).—Ravalli county's timber for sheriff was given a boost today when the 20th candidate for the office filed his declaration.

He is Charles Flanigan of Stevensville, a progressive.

Ed A. Johnson, former senator and a staunch democrat, today filed his name as a candidate for state senator. Mr. Johnson was strongly urged by leading democrats of the county to go before the primary.

Other new candidates follow: A. J. Hork, progressive committee-man from precinct 5. J. E. Campbell, democratic committee-man from precinct 13. Stanley Waylitt, democratic committee-man from precinct 8.

Sid M. Ward, progressive committee-man from precinct 4. E. S. Rinchart, candidate for state senator on the democratic ticket. Charles E. Carson, candidate for representative in the legislature on the democratic ticket.

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