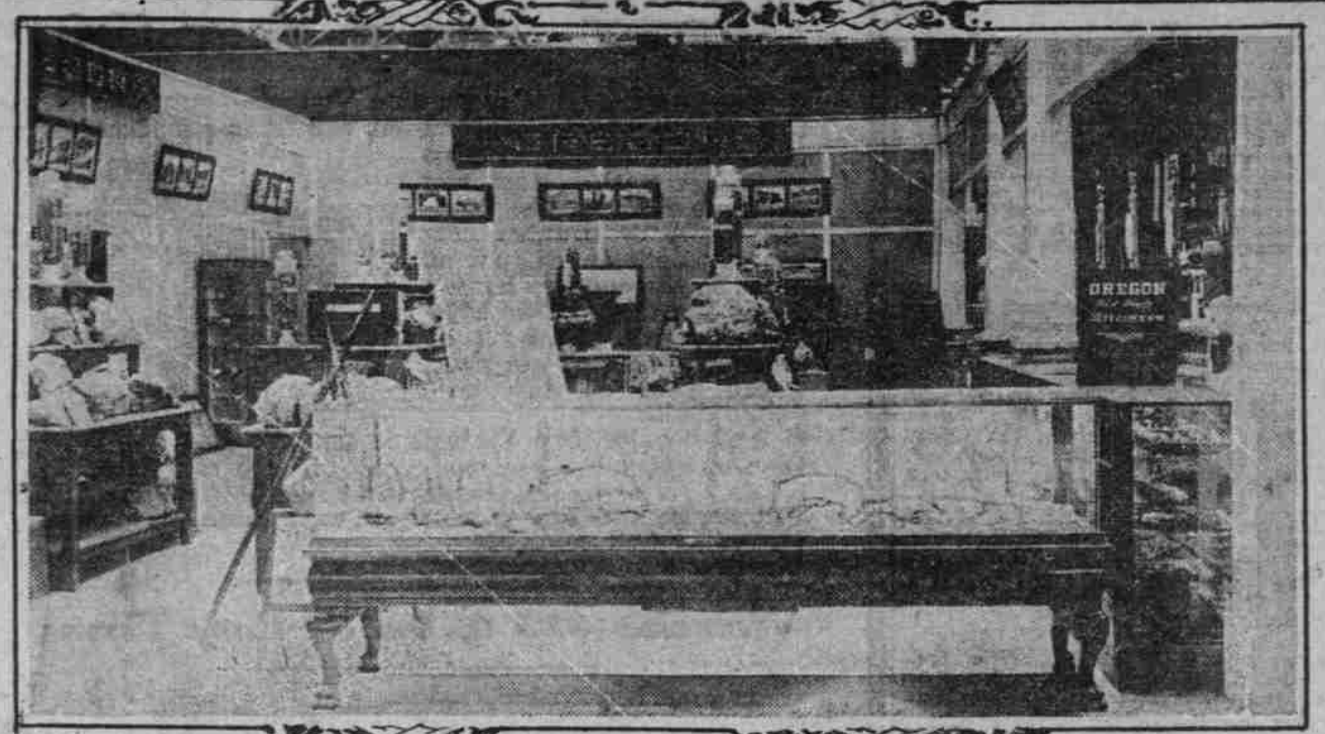
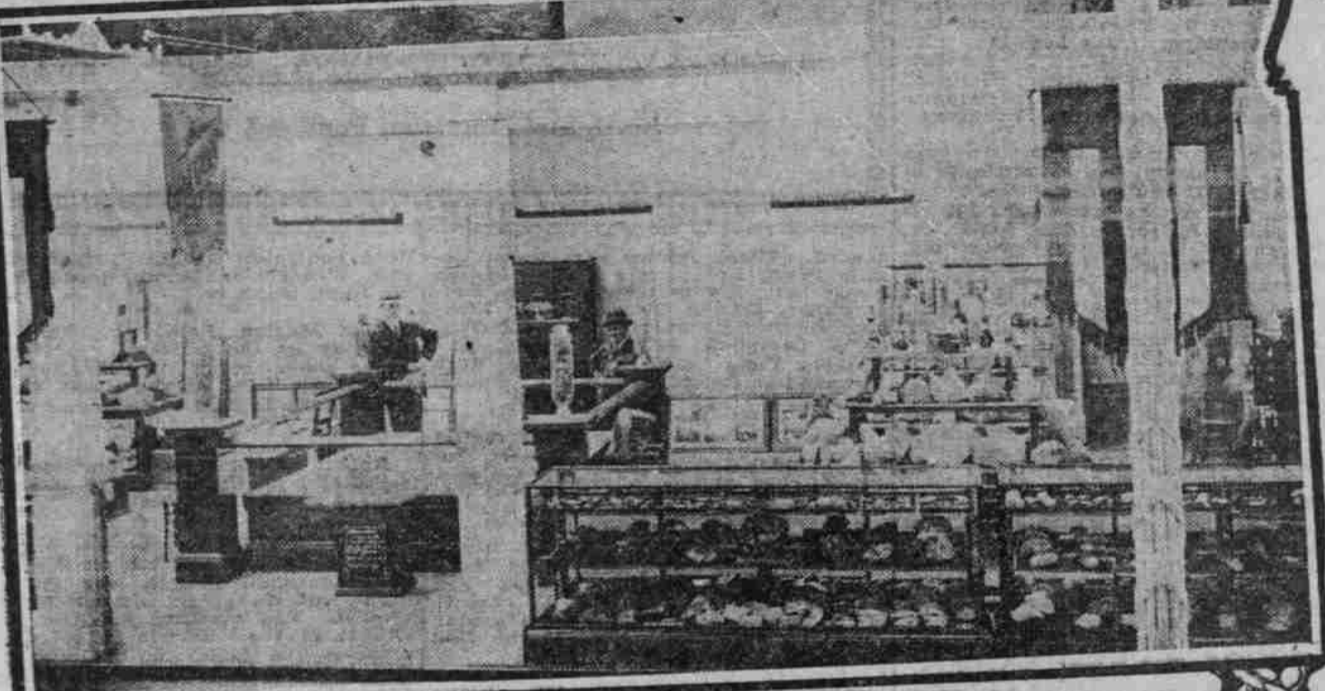


# WEALTH OF OREGON MINES SHOWN IN EXHIBIT TO THROUGHS AT FAIR

Displays, Impressive, Representative and Complete. Contain Everything From Most Precious Ores to Stones Obtained Only for Value as Trinkets—Much of Credit Is Given to Director of Bureau.



Oregon's Booth, Palace of Mines



View From Government's Stamp Mill

BY RALPH J. STAMMILL. REGON BUILDING, Panama-Pacific International Exposition, San Francisco, June 19.—(Special.)—Still another great display of Oregon's natural wealth was shown to the Panama-Pacific Exposition crowds when the mining exhibit in the Palace of Mines was thrown open to the public.

At a glance it is seen to be impressive, representative and most complete, showing everything from the most precious of ores to stones mined and collected for their value as trinkets.

The arrangement of the exhibit itself has been planned carefully to catch the eye of the man who has merely time to glance at the minerals from the aisle. The exhibit contains \$25,000 worth of gold, platinum and other ores, fully covered by insurance.

Maps Show Ore Qualities. In the center of the booth a large relief map of Oregon shows graphically the nature of the mining sections with all data concerning such districts. Around this map are grouped the high-grade ores and free-gold displays.

Oregon has one of the richest free-gold displays in the building. One of the attractive Oregon exhibits is that of the Logan placers in Josephine County, showing 25 ounces of platinum.

The First National Bank of Baker has on display a case containing 34.4 ounces of gold, which is worth more than \$1800.

Another interesting display from that part of the state is that of the Columbia mine, which shows the product of that revenue producer of 20 years' standing.

Results of Dredging Shows. The Powder River Dredging Company of Sumpter shows the results of dredging. The display is arranged most attractively in a case containing many small watch crystals filled with the gold. In the bright light of the place the pans loom up like a huge electric sign forming the words "Made in Oregon."

The Cornucopia Mines Company, of New York, also of Eastern Oregon, shows samples of the methods of extracting the gold. In the same case is a display of the Baker Mines Company and some ores which assay \$30,000 to the ton. A gold bar shows the final result of treatment.

Some Telluride ores also are shown; these, too, being from Eastern Oregon. A huge gold boulder, found at the head of Pine Creek, Baker County, is supported on a tripod.

The Josephine County exhibit of gold and platinum is particularly interesting because it is not generally known that Oregon is the only platinum producer outside of the Ural Mountains of Europe.

The Belmont mine of Grant County has an exhibit of crystallized gold that is attracting attention from students of geology.

Quartz Specimens Attractive. Another attractive specimen is that of gold and Jasper quartz owned by J. H. Parker, of the First National Bank of Baker. Among the novelties is the display of nugget jewelry lent by Mrs. A. B. Cornell, of Grants Pass. Dave Beard, of Baker, is the owner of a nugget chain worth many hundred dollars.

The largest exhibitor of free gold is Fred H. Mellis, of Baker. Mr. Mellis is the custodian of the booth and responsible for many of the interesting displays. He is the man who represented Oregon mining at St. Louis, Buffalo, Lewis and Clark and Charleston exhibitions.

In the rear of the booth is a collection of transparencies taken from all sections of Oregon, showing pictorially the mines and surroundings in the ore districts of the state.

Building stones form an attractive corner of the booth. The specialties



Pine Creek Gold Boulder and Black Sand

shown are Ashland and Haines granites, Wallowa black marble and sandstone. The members of the Bureau of Mines Commission are H. N. Lawrie, J. F. Reddy, W. C. Fellows, R. M. Betts, J. L. Wood, President Campbell, of Oregon University, and President Kerr, of the Oregon Agricultural College. Much of the credit for the exhibit goes to H. N. Parks, the director for the Bureau of Mines.

## SUTHERLIN IS AWAITING ADVANCE OF A RAILROAD

Addison Bennett Writes of Rapidly-Growing Town and Its Hospitality. Timber and Lumbering Industry Found to Contain Great Latent Wealth.

BY ADDISON BENNETT.

SUTHERLIN, Or., June 15.—Sutherland is an easy place to get to but a hard place to leave. Perhaps difficult would be a better word than hard. Anyhow, after being in Sutherland for a few days, or even a few hours, and becoming acquainted with the people, it is rather a trying ordeal to say good-bys to them, for they just pile courtesies on one until you feel that the report going abroad that they are the most hospitable people in Oregon is not overdrawn.

Just now it is particularly difficult to escape the attentions of the townspeople, for the splendid new hotel is now under the management of Fen Waite and the others of the Waite family are living there. If there are any better hosts or hostesses in the West than the Waite family have never met them, in home or public.

It will be remembered that when Sutherland was first started by Frank Waite and his associates about seven years ago they built a small but quaint and beautiful little hotel. It had but one bad feature—it was too small. The building burned a few years ago and now on the old site stands a splendid two-story brick building 100x120 feet in size, with about 40 sleeping rooms and a fine assembly or ballroom above and a great office, large pictorial, a sun parlor, breakfast-room and a

have a capacity of 250,000 feet in ten hours, but as their trade is established they expect to put up two or three other mills and have the sites secured for them.

Work Within Year Expected. Mr. Fox is the president and general manager of the railroad company and treasurer of the Roach Timber Company. He has recently acquired a fine orchard here and will soon begin building a fine dwelling thereon. This orchard lies just in the east side of town and is convenient to the site on which the mill and offices will be built. He expects it is now expected to have the first mill in operation, and of course the railroad also, by the first of July of next year. In addition to the 30 miles of standard-gauge railroad it will, according to plans drawn, 127 miles of logging roads. Perhaps no body of timber was ever more thoroughly graded and a plan of felling and delivering the logs to railroad for hauling out than has been made on the Roach tract under the auspices of Mr. Fox. They know every tree, practically, and every rise and fall of the land—in fact, the topography is made nearly as mapped is a wonder of information and accuracy.

It is pretty safe to say that the reports which have been hearing have no wind in them. This road is to be built, the mills are to be erected, with their accompanying drying, planing and storage plants, and Sutherland is going to expand into a city before the outsiders are aware of it.

Town's Growth Good. During the last year the town has made a fine growth. Aside from the hotel three or four nice storerooms have been built and a good number of substantial residences. A nearly two miles of street paving has been put down. Mark N. Tinsdale, president of the First State Bank, the only bank in the town, reports that the deposits have increased over 50 per cent since the 15th of November, 1913, when the bank was organized. In the meantime they have placed \$5000 in a surplus fund and have undivided profits of \$370.18.

Everything into consideration, always remembering that the hundreds of acres of young orchards in the valley are ready for picking, this little town of Sutherland surely has a rosy outlook. The place is delightfully situated, there is no finer climate in Oregon, and the place is one of the most thickly settled and most prosperous valleys in Oregon. And that day is not so far distant.

## FOURTH PLANS ELABORATE

Vancouver Enlists Post in Schemes of Celebration of Birthday.

VANCOUVER, Wash., June 19.—(Special.)—Big plans are being made by a committee of business men for the observance of the Fourth in Vancouver this year. It is planned to have, among other things, a roller-skating race on roller skates for boys under 16 years of age, Olympic games, music, speaking, dancing and other forms of amusement.

A committee called on Colonel Baker at Vancouver Barracks Tuesday and received a promise that the barracks would be glad to assist in the day's observance, and it is largely through this co-operation that the Olympic games will be held. A number of soldiers are now training under the direction of Lieutenant Hartz for the Olympic games at the San Francisco Fair, and this programme of sports will be carried out by them. It is also planned to usher in the Fourth with a big moonlight race on the streets Saturday night and to close the festivities Monday with a similar dance.

## NEW SCHOOL IS DEDICATED

Closing Exercises Held at Gilbert Station With Programme.

Dedication and graduation exercises of the new \$17,000 school building in district 45, at Gilbert Station, on the Estacada carline, were held Friday evening, May 28, the auditorium being filled with a number of addresses given.

Among the speakers were County Superintendent Armstrong, Judge Gatens, Mrs. Hoque and Superintendents Carey and Gilbert.

Among the graduates taking part in the programme were: Robin Reed, Hilda McTaggart, Hazel Burse and Fred Le Meur. A flag was presented to the school by Mrs. Myers on behalf of the former students of the school. Mrs. David Piers Mathews, who has been principal of the school for five years, was presented with a gift by the graduating class, the presents being made by Mr. Anderson, school clerk.

Other numbers on the programme were: Music by the Gilbert Glee Club, by the Brooklyn Juvenile Orchestra, violin solos by Miss Marie Chapman, violin solos by Percy Gates.

## 50,000 Acres Settled Near Vale

VALE, Or., June 19.—(Special.)—The Government Land Office here has allowed homestead applications amounting to upwards of 50,000 acres since January 1. To this amount must be added 6000 acres taken under the desert act and isolated tract selection. Since the report of June 12 13,800 acres have been located in the Sucker Creek district for potassium deposits. This amount, added to that already approved for potassium, makes a total of 60,000 acres taken for the purpose of extracting the various potassium compounds contained therein.

## MISSIONARY BISHOP WHO SPEAKS TODAY

Bishop Frank W. Warrs.

A feature of the service at the Centenary Methodist Episcopal Church this morning will be the presence of Bishop Frank W. Warrs, of India, who will deliver the 11 o'clock sermon. Bishop Warrs has passed a number of years in India, where he first went as a missionary, later being raised to bishop of the Methodist Episcopal Church there.

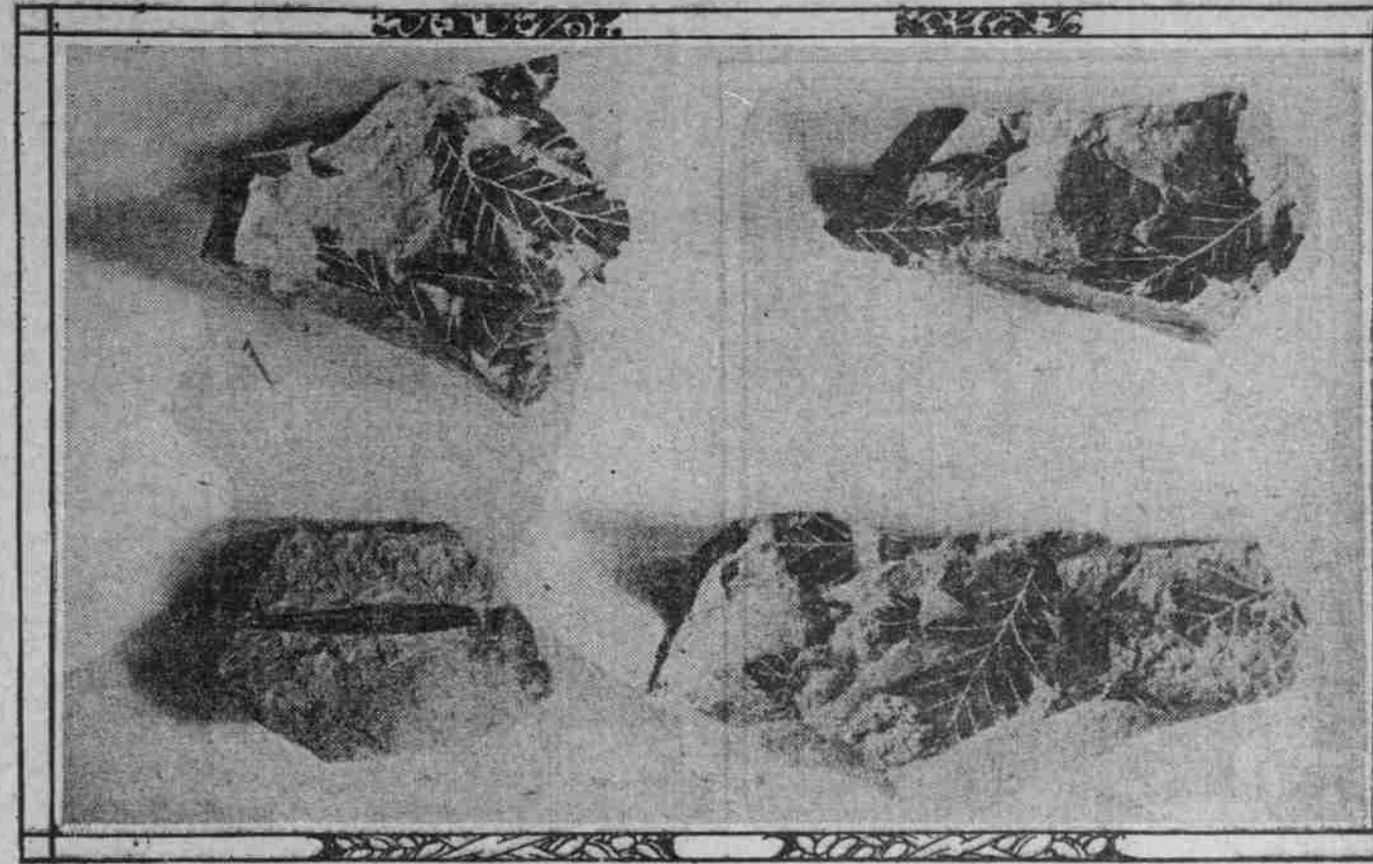
He is making a tour of the United States before returning to his labors in India. In the evening Bishop Warrs will speak at Salem.

These beds also are exposed in a number of other localities, notably at the north end of the new Sandy River bridge, near the Automobile Club and at several other places along the Sandy River and its tributaries. These deposits indicate that at some former period this entire section was covered by a lake, as told so graphically in Professor Cooper's well-known book, "The Two Islands."

Closer inspection of the cliff disclosed a layer several inches thick of gray stone, too fine in texture and light in weight to be sandstone. As a reward for this side trip we found this valuable ash bed (for that is what it proved to be) contains imprisoned in its strata a profusion of fossil leaves. A few blows of the hammer disclosed layer upon layer of them, all beautifully preserved, clear in veining and outline.

# FOSSIL BED AGAIN LOCATED BY PARTY FROM PORTLAND ON JAUNT INTO HILLS

Impressions of Various Leaves Left in Rock by Work of Nature Throughout Ages—Trip into Wilds Found Inspiring by Quartet Who Reluctantly Part With Wonders of Woods.



NATURE'S RELICS OF EARLY AGES, UNCOVERED ON JAUNT INTO HILLS.

Among the most notable fossil beds that have been uncovered in the Pacific Northwest is the Winstanley deposits along Buck Creek, in the Bull Run country. On a recent trip to this deposit, made by Professor Norman E. Coleman, of Reed College, Harry C. Moore, J. B. Winstanley, and E. B. MacNaughton, interesting specimens were secured and brought to Portland. The fossil leaves are of the Miocene age, scientists say, and are perfectly preserved in fossil form in the rocks that have been deposited through countless ages.

BY J. B. WINSTANLEY.

TO THOSE using the auto as a means of travel on pleasure excursions and also to those more humble individuals who depend upon the old reliable "shanks mare," there is a wealth of delightful territory around Portland awaiting exploration. It needs only a determination and a love for the open road to start one out on the trail of the most companionable of pleasures, all day of access, teeming with color, redolent with tonic odors and rich in scenic qualities peculiar to this part of our country.

Such excursions may take the form of extensive expeditions to distant points or short week-end hikes over neighboring hills. Whatever form they take, the results are the same, good health, a joy in the "out of doors" and a steadily-growing affection for our great State of Oregon.

On just such an expedition, imbued with the zeal "to seek, to strive, to find a quartet of Portland folk started last week for a week-end jaunt back to nature. In the party were Professor Norman E. Coleman, of Reed College, Harry C. Moore, J. B. Winstanley and E. B. MacNaughton. The car was taken at First and Alder streets for Bull Run, on the Sandy River, where the primary purpose was inspecting the power plant, its reservoir and the streams of the Sandy and Bull Run rivers.

Notions in many places were notices of the Portland Water Board warning against trespass upon the Bull Run preserve, and as we read them we could not help but think of the river to old Mount Hood we felt for the moment like Moses looking out into the promised but forbidden land. Our findings in the view and arguments for or against the much-talked meter question were returned, after a campfire meal, in the form of a letter to the Bull Run bridge and passed the night.

## Fossil Beds In Goal

At daybreak the start was made in the crisp mountain air, dust-free and sweet with the odors of the fire, on the first leg of the horizontal plateau. After two miles of uphill climb a sufficiently keen appetite had been developed and breakfast was cooked and eaten on the side of a noisy little mountain brook. Continuing the climb up the hill road leading north out of Bull Run, we finally came to the great level plateau visible at several points in Multnomah County. Several valleys were crossed to the north-west tramp across a dip plateau, which has been boldly carved to a depth of several hundred feet by streams such as Trout Creek, Gordon Creek and Buck Creek, which run downward to the parent of them all, the Sandy River.

A trip up any of these creeks is a wonderful, physically and aesthetically, for the trails are rough with boulders, fallen trees and a tangle of brack and vines. Many a wily fisherman has made the ascent, whipping the stream at every likely pool, only to come back again defeated by the more wily trout. However, we were not on a fishing search, for we had a serious motive to inspire our trip in addition to the pleasure, was to find again the fossil bed that had been discovered some years ago by one of the party and named by the Government geological experts "Winstanley deposits," in his honor. The bed is to be found only after strenuous climb up the north bank of the Buck Creek, the last of the three principal streams crossed.

Lake's Presence Once Indicated. The little valley was found to narrow rapidly, the walls becoming too steep to climb, and cliffs exposed themselves on either side. They are composed of the usual volcanic rock, which is the general or "country" rock all over this area. They are built partly of cement gravel, more or less indurated clays and coarse-textured sandstones, which have been disturbed little from the horizontal position in which they were laid originally.

These beds also are exposed in a number of other localities, notably at the north end of the new Sandy River bridge, near the Automobile Club and at several other places along the Sandy River and its tributaries. These deposits indicate that at some former period this entire section was covered by a lake, as told so graphically in Professor Cooper's well-known book, "The Two Islands."

Closer inspection of the cliff disclosed a layer several inches thick of gray stone, too fine in texture and light in weight to be sandstone. As a reward for this side trip we found this valuable ash bed (for that is what it proved to be) contains imprisoned in its strata a profusion of fossil leaves. A few blows of the hammer disclosed layer upon layer of them, all beautifully preserved, clear in veining and outline.

There are oak leaves in great abundance, intermeshed with some willow and twigs of yew. Carefully wrapped specimens were stowed in our packs to be brought carefully out for closer study. The stone shows many layers of leaves, piled thickly one over another, all wonderfully lifelike, making so thick a mass that it is difficult to get out a single perfect specimen.

There are three species of oak (Quercus), all of them belonging to the white oak type, two of them being not greatly unlike the living Quercus Garryana. The other one is nearest to Quercus Paysonii (Knowlton), an extinct form of oak now found fossil along the old lake shore benches of the Payette formation of Idaho.

## Leaves Preserved Through Ages

Obviously they were laid down and covered by their mantle of ashes ages ago, when some neighboring volcano was active. Then hundreds of feet in thickness of other deposits were formed above them, with the consequent making an changing of the drainage basin. Since then the tooth of time has eroded through this mass down to its present stream level. It has made legible the story of the growth and development of these beds and has made it possible to show in a picture how wonderfully well nature can preserve even such frail forms as leaves.

Scientists tell us that these beds were laid down during the Miocene period. But scientists also have a lavish way of lumping the years together into periods and ages with names that do not suggest the hours and minutes that have slipped by one by one to make up the unknowable time since these leaves were a part of the landscape.

After our rediscovery of the fossil bed camp was made for the noonday meal, which was sweetened and spiced with the chat of campfire comrades. After a siesta the road was taken once more for the final climb, still northward, over the divide between the Sandy and the Columbia rivers to the highway and Chanticleer. Here it is always in order to rest and feast one's soul upon the grandeur of the view. The train for home was soon due to arrive at Rooster Rock, the northern terminus of our hike, and we were forced to leave the view and the promise of a magnificent sunset and hike at high gear down the old road down to the station and Portland.

## HONOR IS PAID PIONEER

Mrs. Elizabeth Geoghegan, of Vancouver, Entertained at Party.

VANCOUVER, Wash., June 19.—(Special.)—In honor of Mrs. Elizabeth Geoghegan, resident of Vancouver for 50 years and widow of the late J. D. Geoghegan, who died 19 years ago, a party was given at her home last Sunday night.

Mrs. Geoghegan is a native of Arkansas. She went to New York with her parents and made the journey by boat to Panama, crossed the Isthmus, went by boat to San Francisco and by boat from there to Vancouver Barracks, where she was married to Mr. Geoghegan. He was in the United States Land Office for eight years, and at the time of his death was chief clerk in the post.

## BABY SHOW IS PLANNED

Ladies' Civic Club of Vale Arranging for Event September 1.

VALE, Or., June 19.—(Special.)—The Ladies' Civic Improvement Club of Vale has perfected arrangements to hold a baby improvement convention at Vale September 1, 2 and 3. A committee consisting of Mrs. Bruce R. Keater, Mrs. John Rigby and Mrs.

## PORTLANDERS WHO DEPARTED YESTERDAY FOR WALK TO SAN FRANCISCO.



LEFT TO RIGHT—MRS. GRACE MILLER, MRS. JANE NOAH, MARIE GARET NOAH, MARIE MILLER.

Outdoor life and the Panama-Pacific Exposition were the two main attractions that lured four Portland women into starting yesterday for a walk from Portland to the Panama-Pacific Exposition. The four are Mrs. Jane Noah, of 426 North Twenty-second street, her daughter, Margaret, aged 9; Mrs. Grace Miller, of 236 North Twenty-first street, and her daughter, Marie, aged 15.

With small packs of blankets and a few other necessities the four departed yesterday. They intend to go straight through to San Francisco by way of Roseburg and Medford. They expect to be on the road about two months. "It is a trip for health and pleasure and to see the exposition," said Mrs. Noah yesterday before the departure. "We are not going without money, but we intend to work along the way to help pay our expenses. We are going armed and provisioned for any sort of weather we may encounter. We expect to be on the way about two months." The quartet had to hurry to get away yesterday. The plan originally was to start today but it was discovered at the last minute that it was the 15th so the departure was put one day ahead. "We are not superstitious," said Mrs. Noah, "but we didn't want to start on the 15th."