

WASHINGTON SIDELIGHTS



Now Sherman Says Alaska's All Right



President Harding and his cabinet have devoted several sessions to discussion of the Alaska problem. The house committee has held extensive hearings on the Curry bill.

Secretary of Agriculture Wallace dispatched E. A. Sherman, associate forester, to Alaska, early last summer to investigate the alleged retrogression of the territory. Mr. Sherman has just returned and submitted an elaborate report, declaring that Alaska is suffering from nothing more than its share of the world-wide hard times. All the industries of the territory, he reports, are doing as well as if not better than the same industries elsewhere.

"In the face of such a showing," the Sherman report concludes, "one marvels more and more at the origin of this report that Alaska is on the downward grade. I would like to know the true inwardness of that idea. The growth of our northland is now a steady growth, in which the resident Alaskan, and not the promoter or underwriter, is being the chief beneficiary. That seems to me to be most desirable."

WASHINGTON.—What's the matter with Alaska? "Inadequate and costly transportation," says Dan A. Sutherland, the Alaska delegate in congress. "Too much red tape," says the Interior department, which would take over the administrative functions of all other departments pertaining to Alaska. "Absentee government landlordism, divided departmental control, and hampered restrictions of development of natural resources," says Representative Curry, chairman of the house committee on territories, who is pressing for legislation to place all Alaska resources at the disposition of a resident development board.



MICKIE SAYS

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PITY THE POET

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Poet — If you don't take the poem I shan't have any address.



TODAY IS PAY UP DAY

CHARLES SCHIRRE

Large maps of the moon show more than 30,000 craters.

Cobalt Discovered In Jackson County Twenty Years Ago

By A. E. KELLOGG

In "Engineering and Mining" About twenty years ago cobalt was discovered in Jackson county, Oregon, by Dr. W. P. Chisholm, of Gold Hill, the pioneer of the quicksilver industry in that district, while he was developing his gold-copper mine in the "Meadows," twelve miles north of Gold Hill. This property, known as the Chisholm group, is still owned and under development by the doctor. It is situated not far from Chisholm's quicksilver properties, also in the "Meadows." Early in the development of the gold-copper property, large ore bodies were opened up, which, besides producing gold and copper, also carried from four to four and a half per cent of cobalt. This work extended over a period of several years, and it is estimated that at least 30,000 tons of this ore will produce not less than 4 1/2 per cent cobalt.

The discovery attracted considerable attention among those seeking new deposits of cobalt. But owing to the low price and less extensive use of the metal at that time, investors were seeking deposits that would produce at least 6 per cent cobalt. Recently, however, operators have been urged to search for new deposits of cobalt, and the deposits of this section have been investigated. Development of the quicksilver properties shows that the cinnabar ore, besides producing gold and silver, nickel, zinc and arsenic, as by-products, also gives evidence of cobalt values. Other localities in this region are believed to contain cobalt in commercial quantities, but the Chisholm mine is the only property in the district which has been reliably and systematically tested for cobalt.

The Chisholm mine is in a heavily timbered district, at an elevation of 1760 feet. About \$45,000 has been spent in its development. In part, the ore is a primary constituent of the norite country rock, and the vein deposits were probably derived from the same source. That is, magmatic waters, after concentration through crystallization of the main magma, probably carried the ores, simultaneously concentrated, into fissures, and there deposited them with other vein-forming matter. At this mine there is no evidence that surface waters have produced any important effects; the veins are not leached or oxidized, and there is no indication of secondary enrichment by meteoric waters.

A cross-cut entry extends south 45 degrees, east about 30 feet, and is being driven thence south 63 degrees east about 300 feet through quartzitic rock, but has not yet struck the main ore body at the fault. About 150 feet from the portal a fault strikes north 31 degrees west and dips 55 degrees northeast. It has a maximum thickness of 18 inches and contains fragments of quartzite. Near the fault the country rock changes from micaceous to an ordinary quartzite. There are two other older adits which show large bodies of ore. The lower and southern entry is in micaceous quartzite banded and locally conorted. The upper adit is about 190 feet higher. It enclosed ore which consists of chalcopryite and arsenopyrite. Surface waters have formed

some gypsum and melanterite by oxidation of sulphides.

The ore at this mine is very interesting as it occurs in part as a primary constituent of a basic igneous rock, and in part as a vein filling.

The Gold Hill district is a mountainous region cut by one narrow east-west valley and its tributaries from the north and south. The elevation varies from less than 1000 to 4000 feet. The district is occupied chiefly by old Paleozoic sediment interbedded with stills or flows of andesite and greenstone. Everywhere the sedimentary rocks strike northerly, usually about north 15 degrees east, and dip eastward at angles ranging from 65 degrees to nearly 90. Diller has shown that Jurassic beds west of the district have been overturned so that the older strata now overlie the young-

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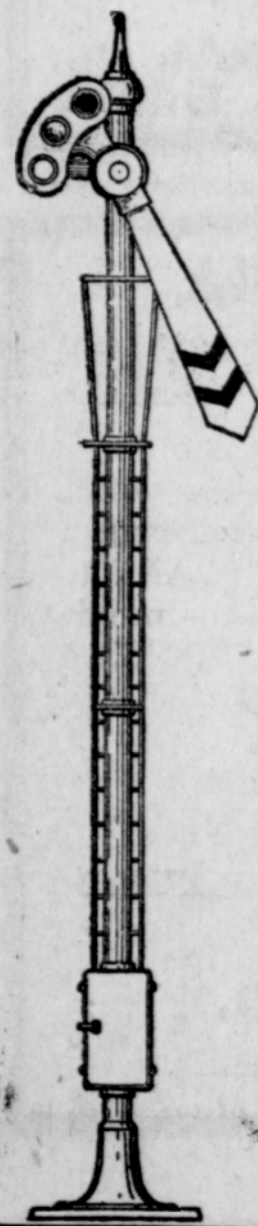
Every moment of the business and social day the block signals are giving right of way to keenness and alertness — while the slow and the heavy must wait on the sidetrack for their chance to move forward.

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