

ed ore, containing 4,443 oz. of gold, 5,637 oz. of silver, 310,400 lb. copper. Estimated profit on this ore, after deducting cost of mining, smelting, realisation and depreciation, \$27,000. Expenditure on development work during the month, \$180,000. Development of the mine fairly satisfactory. Have discovered small vein of ore in north crosscut 450 ft. level; unable at present to state if it is continuation of the north vein. Have discovered fair ore body shipping grade 900 ft. level the south vein, thus proving continuation south ore chute on this level.

Le Roi No. 2 (Rossland).—The mine manager reports that 1,725 tons were shipped in October. During the month the net receipts were \$48,204, being preliminary payment for 2,116 tons shipped, \$4,223 being deferred payment on 1,913 tons previously shipped. \$2,463 being payment for 44 tons concentrates shipped. In all \$54,890. Annie No. 2 shaft, at a depth of 100 feet met with ore west of the dyke. Its width is 18 inches; the assays are: gold, \$4, copper \$5. Some time will be required for development before we can decide its importance."

The Ymir Gold Mines.—The manager reports the return for the month of September, by cable, as follows:—35 stamps ran 29 days and crushed 2,500 tons of ore, producing 460 oz. bullion. The estimated realisable value is \$5,250; 174 tons of concentrates, shipped, estimated value \$4,360; cyanide plant treated 1,700 tons of tailings producing bullion having estimated gross value of \$1,700; sundry revenue, \$395; total, \$11,705; working expenses, \$15,000; loss, \$3,295. There has been expended on development, \$835. It appears that the expenses were unusually heavy through the continued drought, making it necessary to use steam power instead of water power. Certain changes have also been made in the method of dealing with the accounts, which unfavorably affect the figures for last month's operations, but this position will adjust itself hereafter.

The October returns were: 20 stamps ran 29 days and crushed 1,700 tons (2,000 lb.) of ore, producing 412 oz. bullion. The estimated realisable value (gross) of the product is \$4,925; 90 tons of concentrates shipped, gross estimated value, \$2,250; cyanide plant treated 1,150 tons (2,000 lb.) of tailings, producing bullion having estimated gross value of \$550; 38 tons of crude ore shipped, \$1,950; sundry revenue, \$220—\$9,895; working expenses, \$9,780; profit \$115. There has been expended during the month on development \$403.

Arlington (Eric).—During October, 1904, four carloads of ore (87 tons) were shipped to the Hall Mines Smelter, Nelson, net returns from which amounted to \$4,180. The total expenses for the month in British Columbia were \$3,458.

BOOKS RECEIVED.

Twenty-second annual coal report of the Illinois Bureau of Labor Statistics for the year ending October 1, 1903, State Printer's, Springfield, Ill., 1904.

Geological Survey of Canada, Annual Reports, new series. Vol. XIII.

Notes on Assaying and Metallurgical Laboratory Experiments, by Richard W. Lodge, Assistant Professor of Mining and Metallurgy, Massachusetts Institute of Technology. 8vo. Illustrated. Cloth, \$3. John Wiley & Sons, New York; Chapman & Hall, London, 1904.

This important and comprehensive work is divided into two parts, the first thoroughly covering the subject of assaying, and the second dealing with metallurgical laboratory experiment. The book, though primarily intended for the student, being largely a compilation of notes in use for many years by third and fourth year students in the metallurgical laboratory of the Massachusetts Institute of Technology, contains much information and many references and tables of value to those actually engaged in metallurgical practice.

MINING MEN AND MATTERS.

Mr. James Cronin, a large shareholder and manager of the St. Eugene mine, at Moyie, has joined the directorate boards of the Centre Star, War Eagle and Rossland Power Companies, in succession to Mr. C. H. Gooderham, whose death recently occurred.

Mr. Jos. Randel, who for twenty-one years has occupied the position of underground manager at the Nanaimo collieries, has signified his intention of retiring, and will be succeeded by Mr. Thos. Mills, the present assistant manager.

Intelligence has just been received that the Albetra Oil Company has met with great success in boring for oil on their property below Kootenay Lake and near the British Columbia boundary, a fine flow of oil having been started in the old well, which has been drilled to a depth of 1,080 feet. The Company has already shipped 200 barrels of oil to Winnipeg, via Pincher Creek. A number of 2,000 gallon tanks have also been filled with oil, and the work of drilling a second well has been commenced. The Pincher Creek route is likely to remain for some time to come the main road into the Flathead country. It is here that the oil indications are most promising, but operations have not yet reached the stage to which those in Alberta have been advanced.

From the progress now being made it is thought the new branch of the Great Northern railway will be completed to Phoenix before the end of the year.

Recent development of properties in the Skeena district have afforded some promising results, and an engineer who lately visited the Dry Hill Mining Company's property on Lorne Creek states that between \$30,000 and \$50,000 have been expended in the development of this claim, including the construction of a large flume by Seattle capitalists. The work was in progress during the summer months and was completed a few days previous to this gentleman's arrival there. Water had then been admitted to the flume for two days. It was closed off at the expiration of that time, and the clean-up amounted to \$500. This was the result of not more than forty-eight hours' work.

Mr. Fred. W. Bradley, the well-known mining engineer, whose name was for a time permitted to be used in association with that of Mr. John M. McKenzie as consulting engineer to the Le Roi Mining Company, Rossland, is reported to have been seriously injured by a gas explosion which occurred at Mr. Bradley's place of residence in San Francisco. It is feared that his sight may be permanently injured as a consequence.

Mr. S. F. Parrish, M. E., formerly general manager of the Le Roi Mining Company, is stated to have removed his office from San Francisco to Salt Lake City, Utah, where he will continue the practice of his profession of consulting mining engineer.

Mr. A. C. Garde, for several years resident manager for the Payne Consolidated Mining Company, Ltd., has, with his family, removed from the Payne mine, near Sandon, to Nelson.

Referring to Mr. E. R. Woakes, formerly of the Duncan United Mines, Ltd., Nelson, but now in Spain in charge of the mine of the Linares Lead Mining Company, the chairman of that company speaking at a general meeting of shareholders held in London a few weeks ago, said: "In Mr. Woakes we have a superintendent who has our entire confidence, and our thanks are due to him and the staff on the mines for the able manner in which their duties have been carried out."

Mr. Frederick Keffer, manager for the British Columbia Copper Company, has returned to Greenwood, after a six weeks' vacation in the East, during which he visited Montreal, New York, Philadelphia, Cleveland, St. Louis and other large centres. He states that the Canadian exhibit at the St. Louis Exposition is a very creditable one and is much pleased with the prominence given there to Canadian minerals, including an excellent display from British Columbia.