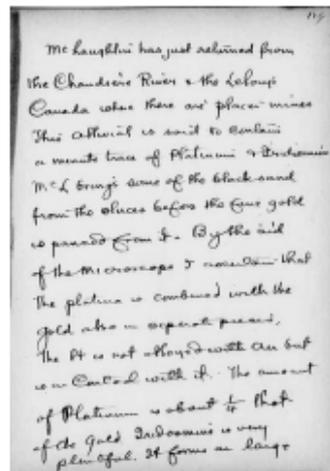


-1756-

*Notebook Entry:
Mining*



McLaughlin has just returned from
the Chaudiere River & the Leloup
Canada where there are placer-mines
This alluvial is said to contain
a minute trace of Platinum & Iridosmine
McL brings some of the black sand
from the sluices before the fine gold
is panned from it. By the aid
of the microscope I ascertain that
the platina is combined with the
gold also in separate pieces,
The Pt is not alloyed with Au but
is associated with it. The amount
of Platinum is about 1/1000
of the gold. Iridosmine is very
plentiful. It forms a large

[Menlo Park,] June 6 1879—

McLaughlin has just returned from the Chaudiere River & the Leloup¹ Canada where there are placer-mines² This alluvial is said to contain a minute trace of Platinum & Iridosmine McL brings some of the black sand from the sluices before the fine gold is panned from it. By the aid of the microscope I ascertain that the platina is combined with the gold also

April-June 1879

250

in seperate pieces. The Pt is not alloyed with Au but is in contact with it. The amount of Platinum is about $\frac{1}{4}$ that of the gold. Iridosmine is very plentiful. It forms a large bulk of the sand there is probably 6 oz of Iridosmine to every oz of gold. I have found that a Sodium amalgman will take up the Iridis- mine^a & platinum, the Au being previously taken out by pure mercury— There is undoubtedly enough Pt & Iridium in the Canada district to supply the world instead of the black sand containing a trace of the platinoid The mine should be called a platanoid mine with traces of gold—

T.A.E.

X, NjWOE, Lab., N-78-11-22:149 (*TAEM* 29:218; *TAED* No02:67).
^aObscured overwritten text.

1. The Chaudière and the Rivière du Loup are tributaries of the St. Lawrence in southeastern Quebec.

2. Frank McLaughlin was a telegrapher acquaintance of Edison's working in New York as an electric pen agent; he had been Edison's representative for the phonograph in Australasia in 1878 (see Doc. 1328). Edison dispatched him to Quebec on 26 May after corresponding with Edwin Pope of the Montreal Telegraph Co. about gold deposits there (Edwin Pope to TAE, 6, 13, and 15 May 1879; McLaughlin to TAE, 1 June 1879; all DF [*TAEM* 50:588, 591-92, 614; *TAED* D7928F, D7928J, D7928K, D7928ZAC]). A brief description of McLaughlin's trip and findings is in "Wanted, A Platinum Mine," *New York Sun*, 7 July 1879, Cat. 1241, item 1224, Batchelor (*TAEM* 94:494; *TAED* MBSB21224X).