

Miscellaneous
examined
minerals.

Estimation of
nickel and
cobalt in
pyrrhotite
from St.
Stephen, N.B.

- 3.—Nickel and Cobalt. A mineral specimen from Mr. Thompson's farm, St. Stephen, Charlotte county, New Brunswick. This consisted of pyrrhotite in association with chalcopyrite and a little magnetite, in a gangue of greenish-gray serpentine; the pyrrhotite constituted approximately about one-fourth by weight of the whole. The pyrrhotite carefully freed from the associated minerals was found—after drying at 100° C.,—to contain:—

Nickel.....	0.923 per cent.
Cobalt.....	0.394 " "

Estimation of
phosphoric
acid in trap
from Black
Cape, P. Q.

- 4.—A highly decomposed trap from Black Cape, New Richmond, Bonaventure county, P.Q.—was examined for, and found to contain, an amount of phosphoric acid, equal to 0.594 per cent. of tribasic phosphate of lime.