

J. T. DONALD, M.A.

(Professor of Chemistry, Medical Faculty,
Bishop's College.)

Chemist, Assayer & Mining Geologist.

124 St. James Street,

Montreal, March 10th 1890

Dear Sir Wm Dawson

I have examined the specimens from Two Islands N.S. received from you on 1st inst. I have worked them A & B. A is the one with coarser fibres translucent to transparent, reddish in color in places. - B is the more opaque, flesh colored specimen -

A & B appear to be distinct species. On treatment with Hydrochloric Acid A dissolves readily with separation of flocculent silica, B is but very slightly attacked.

In analysis A gave

	Shawsonite (fr Dana)
Silica = 35.23	37.00
Alumina = 29.57	31.07
Lime = 13.07	12.60
Alkalis (diff) = 8.44	6.25-
Water = 13.69	12.24

A appears to be Shawsonite, the analysis of a sample as given in Dana's Mineralogy being stated above side by side with my figures for A.

over

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B in analysis was found to contain as in column 1.
Col. 2 is the analysis of Hypostilbule as given in Dana.
Our specimen B appears to be nearer this than any other
specie for which I can learn —

	1	2
Silica	= 53.20	52.43
Alumina	= 18.28	18.32
Lime	= 3.47	8.10
Alkali (eff)	= 7.69	2.41
Water	= 17.36	18.17

I must add I have not made direct estimations of
the alkalis in either A or B. With the small amount of
material at my disposal it was not possible to obtain
a sufficient quantity free from impurities from what
was left after other estimations were made —

	Scolentic; Black Lake	Scolentic Theory
		45.85
Silica	46.24	14.26
Alumina	14.09	26.13
Lime	26.03	
Water	13.88	13.76

Yours faithfully
J. T. Donald

Roll 1000 R 401

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A.M. DLANO T. T.

(Professor of Chemistry, Wesleyan University)

Chemist, Fessenden & Widdip Geologists

1881

Wash D.C.

1 number in an addition to my list of specimens in B in number in B
number in list as duplicate of my list of specimens in B in number in B
- list was with the same list of specimens in B in number in B

- number in my list of specimens in B in number in B
- number in my list of specimens in B in number in B

64.50	5	05.00	add 2
58.81		85.81	mineral
01.8		14.8	mineral
14.5		14.5	mineral
11.81		11.81	mineral

Small
duh/90

Small number birds seen in my list of specimens in B in number in B
Small number birds seen in my list of specimens in B in number in B
Small number birds seen in my list of specimens in B in number in B

- show some specimens in my list of specimens in B in number in B
- show some specimens in my list of specimens in B in number in B

Small number	Small number
58.81	44.81
35.41	44.81
31.85	44.81
25.01	44.81
13.01	44.81

Wash D.C.

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