

Intensity in arc	de Wetteville flame	Eder & Valenta flame
8	<u>4524.92</u>	4524.92
6	<u>3801.16</u>	3801.16
8	<u>3175.12</u>	
10	<u>3034.21</u>	3034.21
10	<u>3009.24</u>	3009.24
10	<u>2863.41</u>	
10	<u>2840.06</u>	

Those underlined are the heads of the five groups. This would suggest that the five lines are fundamental. Tin is seldom present as an impurity in other metals used in spectroscopic work.

This work was carried out under the direction of Professor E. F. Burton.