

ALKALI METALS IN BERYL FROM ISHIKAWA, IWAKI
PROVINCE.

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The alkali metals present in the beryl from Ishikawa were determined. The method of separation employed was the same as that used by Dr. S. Iimori and the author for the separation of rare alkalis in the Japanese lepidolite and zinnwaldite.⁽¹⁾ In the present case, however, caesium was precipitated as caesium stannic chloride and subsequently the weighed caesium sulphate obtained was spectrographically examined, especially for rubidium. But it was confirmed that the sulphate contained no rubidium. The analysis gave the following result :

Cs ₂ O	Li ₂ O	K ₂ O	Na ₂ O	Total alkalis
0.085%	0.015%	0.24%	0.49%	0.83%

These alkalis weighed as sulphate were all examined spectrographically and proved of their high purity.

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