

ABSTRACTS

DEPARTMENT OF METALLURGY

1. VERMICULITE AND ITS BENEFICIATION—A REVIEW. N. R. Srinivasan and R. K. Rama Murthy, *The Eastern Metals Review*, 1955, 8, 113.

Vermiculite possesses excellent insulating and other properties and is finding increasing use in industry. It comprises a group of nineteen members mostly hydrated magnesium silicates and their mode of origin from phlogopite and biotite is discussed. In addition to listing the major occurrences of vermiculite in the world and in India, attention has been focussed on the possible geological formations in India which may be probed in exploring hidden resources of the versatile mineral. The industrial uses of vermiculite and methods of grading are mentioned. The ore-dressing processes applied for the beneficiation of low grade vermiculite are reviewed and interesting possibilities for the flotation of vermiculite samples in India are indicated.