



Bulletin of the United States Geological Survey Volume 150-151

By Geological Survey

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1898 Excerpt: .87S-379. The feldspar is in part twinned with polysynthetic lamellae. In some cases twinning is not recognizable. The index of refraction of the feldspar in both cases being lower than that of Canada balsam indicates that the feldspar is albite or orthoclase, or both. It is quite possible that the unstriated crystals, more or less clouded by alteration products, are orthoclase. They sometimes yield long, rectangular sections arranged in fan-like groups, an arrangement often assumed by alkali feldspars. The less clouded, polysynthetically twinned crystals are undoubtedly albite, since their maximum symmetrical angles of extinction are about 15 to 17, which corresponds to those of albite or andesine, but the lower index of refraction as compared with that of balsam proves it to be albite. The minute flakes and anhedral fragments scattered through the feldspar appear to be epidote, calcite, and some little chlorite. There are also microscopic...



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