

## **A STUDY OF ROCK GLACIER ICE**

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Laboratory studies indicate that polycrystalline ice with bubbles changes its crystalline structure with time and external stresses. The observed changes are in crystalline orientation and mean crystallite size as well as in the number and mean size of bubbles. These micromechanical characteristics of ice can be revealed by the plastic replica method. In this work we present the result of the investigation about the relationship between the micromechanical characteristics and the natural conditions of ice of sedimentary environment. This study is to be applied to the samples obtained from Morenas Coloradas rock glacier, Vallecitos, Mendoza, Argentina.