

Microhardness Measurements

With the same object in view, we ~~xxx~~ then proceeded to make some microhardness measurements. These were carried out on two different hardness testers, ^{the} PMT-2 and ^{the} PMT-3, by two different observers in order to remove ^{any} possible influence ^{of} ~~from~~ the personal factor or ~~the type of apparatus~~ ~~from~~ apparatus error. Tests were ~~carried~~ carried out on cleavages of natural rock-salt crystals and lead glance, a polished marble surface, and the polished surface of an aluminum single crystal obtained by recrystallization.

Table 2 compares PMT-2 microhardness measurements for the four substances mentioned and also those obtained with plates of cobalt and annealed steel, both in the dry state and in various ~~medium~~ media, with loads varying from 2 to 200 g.

Table 2
Microhardness of Different Substances in the Dry and Wet States, as
Measured on the PMT-2

- Key
- 1) Material
 - 2) Al single crystal
 - 3) Lead glance
 - 4) Marble
 - 5) Rock salt
 - 6) Cobalt
 - 7) Steel
 - 8) Medium
 - 9) Dry
 - 10) Castor oil
 - 11) Oleic acid
 - 12) Distilled ~~the~~ water