

'Crack forces can develop within dry seed throats in imbibing water [regardless of whether seed is olive] - up to 200 MPa' [Burdick]. Occurs even in the absence of air and at low temperature. "...the desiccated colloidal contents... become rocks".
 Could be used to fracture rocks, other rigid solids - A machine of seed helps down a well-shaped crack.

$$1 \text{ Pascal} = 1 \text{ newton/sq.m.}$$

$$1 \text{ newton} = 10^5 \text{ dynes} \approx 0.22 \text{ lb} \approx 100 \text{ g}$$

$$1 \text{ MPa} = \frac{10^2 \times 10^6}{10^4 \times 10^3} \text{ Kg/cm}^2 = 10 \text{ Kg/cm}^2 \approx 10 \text{ atm.}$$

$$1 \text{ atm} \approx 10^6 \text{ dynes/cm}^2 \\ = 10 \text{ newtons/cm}^2 \\ = 10^5 \text{ Pascal} \\ = 100 \text{ kPa} \\ = 0.1 \text{ MPa}$$

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SYMPTOMS

Illnesses (and injuries) have symptoms - these are used to diagnose the illness. What is more important, is to recognize that such symptoms are not just randomly-based ~~consequences~~ consequences of the illness, they are likely also to be expressions of defense/repair mechanisms in the body. Therefore, intensifying or artificially inducing symptoms may lead to more rapid recovery, or even to breaking of other, unconnected maladies. For example, fevers occur because the body can achieve some beneficial effect by raising the temperature [? perhaps some biochemical reaction over the threshold?]. Raising temperature may also have non-fever-producing ailments, e.g. best treatments for cancer. Within the symptoms lie a host of possible cures.

SPEECH RECOGNITION

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Probably the key to successful speech recognition does not lie in the conventional approach via transformation into written-down English language words, but elsewhere. A successful approach, for example, must be able to sift the similarities and ignore the differences between speech in different accents. The answer may be found in an ~~the~~ analysis of speech digitalized by one of the computer voice devices, e.g. PCM (Pulse Code Modulation) or CVSD (Continuous Variable Slope Detect). [See Digital Review/152, 1984 Apr rev letter].