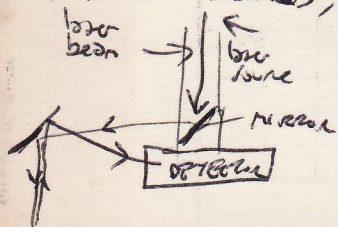


OPTICAL DISC SYSTEM

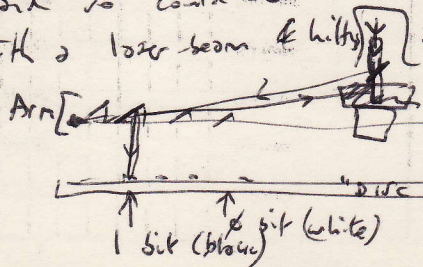
219

1981-11-19

Magnetic discs have to rotate at high speeds to allow rapid access to information and this has required very precise engineering. An 'optical disc' could be created which was very thin (but had a firm support in use) and so could be mailed easily. This could be accessed, while rotating, with a laser beam & light detector.



ROTATING DISC



rapidly-rotating disc having a reflective surface for each 'track'. The holes blue & white bit fields, and reflection through the apparatus would read the ~~bits~~ white bits & ask the blue.

DRIPPY NOSES

1981-7-1

Why do noses drip, and give out yellow mucus (presumably contains dead white cells) during colds or virus infections?

Perhaps, if the nose is a very sensitive discriminator, on the molecular/genetic level, it is acting as another foreign-body detection/elimination device. It may be testing the genetic makeup of the foreign virus, and eliminating harmful nuclei.

ARTIFICIAL NOSE - ANALYSIS TOOL

1981-6-22

Smell apparently depends on a mechanism involving modified hairs buried in a layer of mucus (Anthony Smith: The body). Smell can detect as little as 300 molecules of a substance. Clearly this involves a form of thin-layer chromatography on the nose.

It should be possible to duplicate the mucus/sensor mechanisms and connect up a grid of "nerve endings" to a computer recording scheme. Would give incredible sensitivity of analysis.