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COPYING SURFACES

1985 JUN 13

Xerographic copies depend on the action of light on a sensitive surface (selenium) drum to cause accumulation of electrostatic charge, which then attracts toner making the final image.

It should be possible to make a surface electrically attractive in other ways, e.g. through conventional electrostatic build up from current (possibly as part of a semiconductor surface). Such techniques using power gain techniques to get more density from a metal grid (e.g. pinhole copier), rather than high light density requirement.

PURPOSE OF PLAYS

1985 JUN 9

Most of the things which people find pleasure in (eating, sex, etc) have a usual purpose for the race as well as individuals. What is this purpose, for things such as plays, or music? Does watching plays have some useful brain/mind garbage-cleaning, or exosomatic-exercising effects for the individual? Does this benefit the race? Is there some other purpose?

SPEECH ANALYSIS

1985 JUN 10

Clearly human analysis of speech must match received sound patterns against an existing in-brain database of patterns, to derive 'meaning'.

Are there 'arrayed banks' of patterns/concepts in the brain, matched against incoming patterns? If so, there might be a hierarchy of 'cached' patterns of most common use, accessed for first ~~step~~ match of patterns, backed up by deeper stores of less ~~often~~ often accessed patterns. With sound-pattern shifts ~~in~~ due to dialects, foreign accents, etc, there may be a 'conversion algorithm' run against inputs as appropriate, in fact there may be other conversion algorithms used for other purposes (e.g. to process jargon in technical fields or social groups other than the 'norm').