

LIVER CELL REPRODUCTION

1990 Oct 16

How does a cell, eg a liver cell, know how to duplicate itself to make another liver cell? Has its 'genetics' changed internally, or does its surroundings form a matrix (chemical/structural/electrical etc) which determines its form? If the latter, then an alteration in the matrix could both cause, and cure, cancer.

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AUTO VIDEO FOR SECURITY

1990 Oct 27

Security video cameras could be set up to record scenes outside houses using time-lapse frames. Normal video = 50 frames/sec. If one image frame stored each 5 sec, this would enable 250 times normal view, eg 4-hr tape = 1000 hours \approx 1 month. Infrared images possible, ^{especially} at night. Also possible to store on write-once paper/plastic 'worn' drives after digital/analog conversion.

'CAPTURING' LAKE EYRE

1990 Oct 22

It may be possible to capture the water flowing into Lake Eyre through anti-evaporation chemicals or other physical means (flooding water weeds, rilled to eliminate transpiration?), and hence move toward a permanent fresh-water lake. Perhaps particular sections could be dyked off for initial recovery, with successful techniques extended to other means.

- Was Lake Eyre previously a freshwater lake? This should be determinable from fossils. If so, if it was fresh, it could presumably be restored.