Copy of a printed schematic diagram referenced as "Schematic representation of phage particle"

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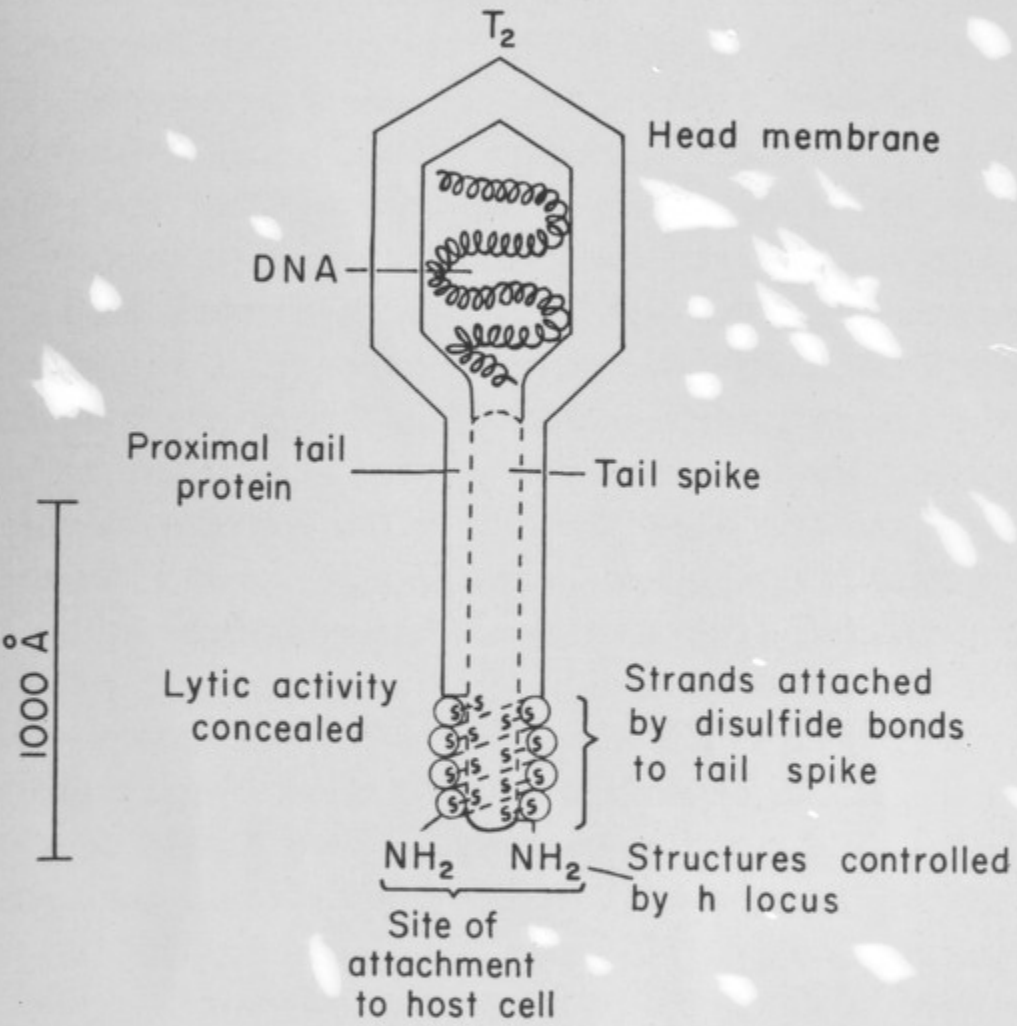
olation of uncontaminated DNA are, the smaller the incorporation rious precursors into DNA is found. In the recent investigations hara *et al.* (1956), Swick *et al.* (1956), and Daoust *et al.* (1956), s been concluded that DNA has considerable stability in resting cells: intracellular turnover of DNA in living cells is either a very or a nonexisting process.



Schematic representation of phage particle, according to Evans (1956).

It has been pointed out earlier that all *mutagenic agents* react DNA and strongly inhibit its synthesis: this is especially the case ustards, X-rays, and UV. For the latter, the action spectrum of effectiveness for producing mutations resembles very much the ption spectrum of the nucleic acids. Such a finding fits, of course, well with a genetic role for DNA.

ile all the facts which have just been resummarized stand in good