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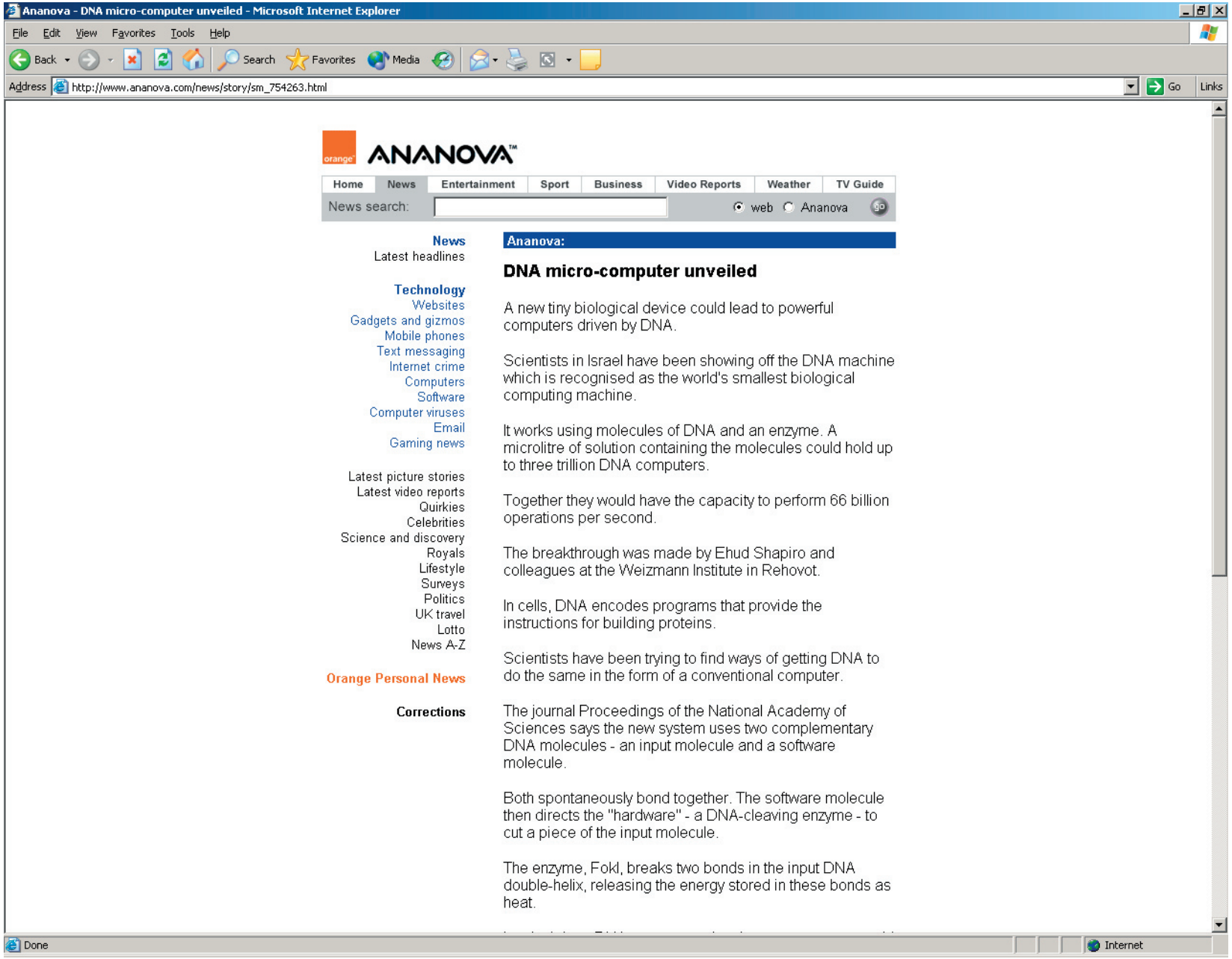

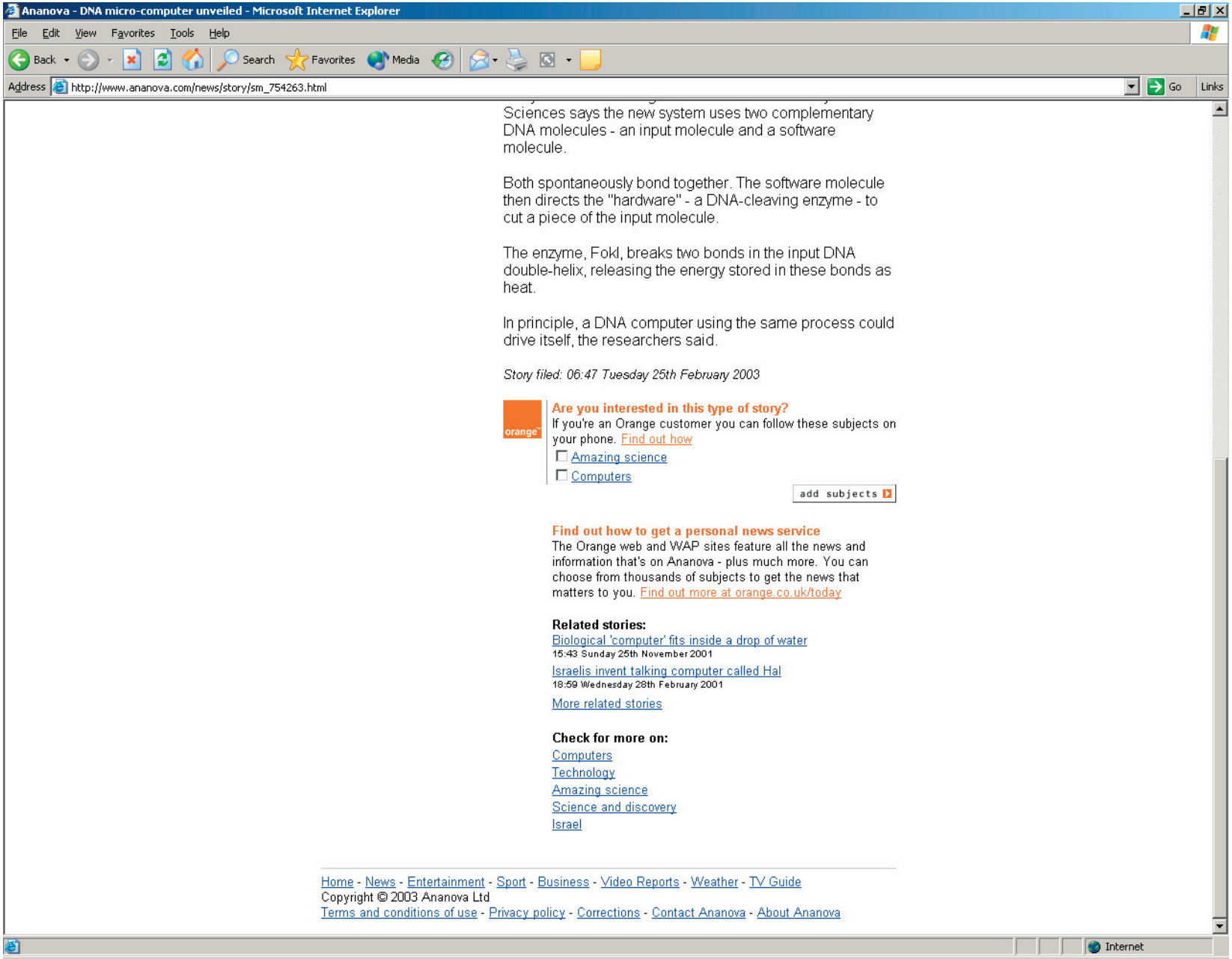
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Sciences says the new system uses two complementary DNA molecules - an input molecule and a software molecule.
Both spontaneously bond together. The software molecule then directs the "hardware" - a DNA-cleaving enzyme - to cut a piece of the input molecule.
The enzyme, FokI, breaks two bonds in the input DNA double-helix, releasing the energy stored in these bonds as heat.
In principle, a DNA computer using the same process could drive itself, the researchers said.
Story filed: 06:47 Tuesday 25th February 2003
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