

From Bible (as book) to Nano-Bible (as chip)

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Abstract

The World's smallest Bible, the Nano-Bible, is engraved on a Nano-gold stratum and a silicon substrate chip (5mm x 5mm) - smaller than a pinhead - and readable with an electron microscope.

This outstanding achievement was made possible by using one of the many advantages offered by nanotechnology: a focused ion beam (FIB) generator of gallium ions.

This presentation will follow the Bible's "adventure" - starting with manuscripts from Qumran / Dead Sea, through the Gutenberg Bible (the first major book printed using mass-produced movable metal type in Europe) and the mini-bibles as intermediary "stations" - to the current "station": the Nano-Bible.

Keywords: Bible, Nano-Bible, nanotechnology, FIB generator, gallium ions.