

(2) Hyper-reductions, Inc. announces a fantastic process capable of putting the contents of the Library of Congress, in facsimile, printed with tungsten, on a very smooth postcard. Will it be readable with an off-the-shelf electron microscope?

Resolution to 10 Å of heavy atom sites is commonplace. That would allow up to 10^{14} separate dots per cm^2 , say 6×10^{15} dots on one side of a postcard. I estimate that the number of pages in the Library of Congress is 3×10^9 , equivalent to ten million books of 300 pages. To construct the image of one page we have available 2×10^6 dot sites, surely more than adequate for a legible facsimile. The answer to the question is *yes, easily*. Merely to store the *texts* of the ten million books in ASCII characters at one byte each would of course take even less space—not more than a postage stamp!