

WHAT IS A HOLOGRAM ?

A HOLOGRAM IS ACTUALLY A PHOTOGRAPH OF THE LIGHT WAVES THAT REFLECT FROM AN OBJECT ILLUMINATED WITH LASER LIGHT. THE HOLOGRAM IS RECORDED ON FILM SUCH A WAY AS TO STORE ALL THE VISUAL INFORMATION IN THE REFLECTED OBJECT LIGHT WAVES. AFTER THE HOLOGRAM IS DEVELOPED, LIGHT IS PASSED THROUGH IT. THE HOLOGRAM THEN CAUSES SOME OF THIS LIGHT TO BE RESHAPED INTO A WAVE FORM IDENTICAL TO THE REFLECTED LIGHT. AN OBSERVER LOOKING AT THESE REFORMED OR RECONSTRUCTED WAVES SEES IN COMPLETE AND FULL DIMENSION, THE ORIGINAL OBJECT.

(meaning the whole message)  
(LIGHT MESSAGE)

A Holo is a recording on a photographic medium of the interference patterns produced by coherent light (laser).

A Hologram is a record of interfering wave front light wave fronts on a photographic plate.

Xylene has the same index of refraction as glass.

The Holographic Plate is the image that plate produces are both referred to as a Hologram.