

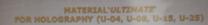


In the Museum of holography in State Optical S. I. Vavilov Institute

St.Petersburg, 1995

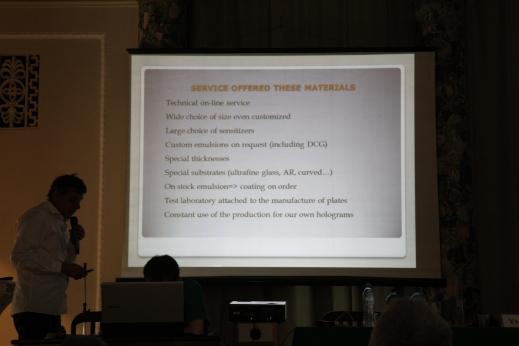
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to the beautiful of the beautif

Yu. N. Denisyuk' letter of introduction



PARAMETERS	PROPERTIES
Spectral sensitivity	Difference between materials in sensitivities is 3 times. Each material can be sensitized to any visible wavelength. For one application we use one kind of material and one kind of sensitizer.
Grain size	25 mm for pulse lasers, 15 mm for Jow power lasers (1 - 2 mW) for Denisyuk holography, transmission holograms or H2 reflection holograms On m is universal material including holoprinter with pulse of m frull color Denisyuk holography and HOEs
Resolution	From 3000 to >10000 lines per cm
Speed	30-90, 200 and 600 μJ/cm² for monochrome recording
Diffraction efficiency	More 90% reflection HOE (mirrors) for monochrome recording
Layer thickness	9-7,5 and 4 mcm
Base	Glass plates (3 mm), film (190 μ)





## FROCESSING OF «ULTIMATE» HOLOGRAPHIC PLATES



DEVELOPMENT After development the plates has pal orange color



BLEACHING
In some
minutes the
"floating"
image appears
in the bath



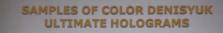
AFTER BLEACHING the plate is fully transparent and almost has no noise



IN WET STATE the image is observed in transmission light



AFTER DRYING the hologram is protected by black film from back side











Knight (30x40 cm)

Tutankhamun (30x40 cm) Obelix (20x25 cm)

Swatch (15x20cm), doubleview