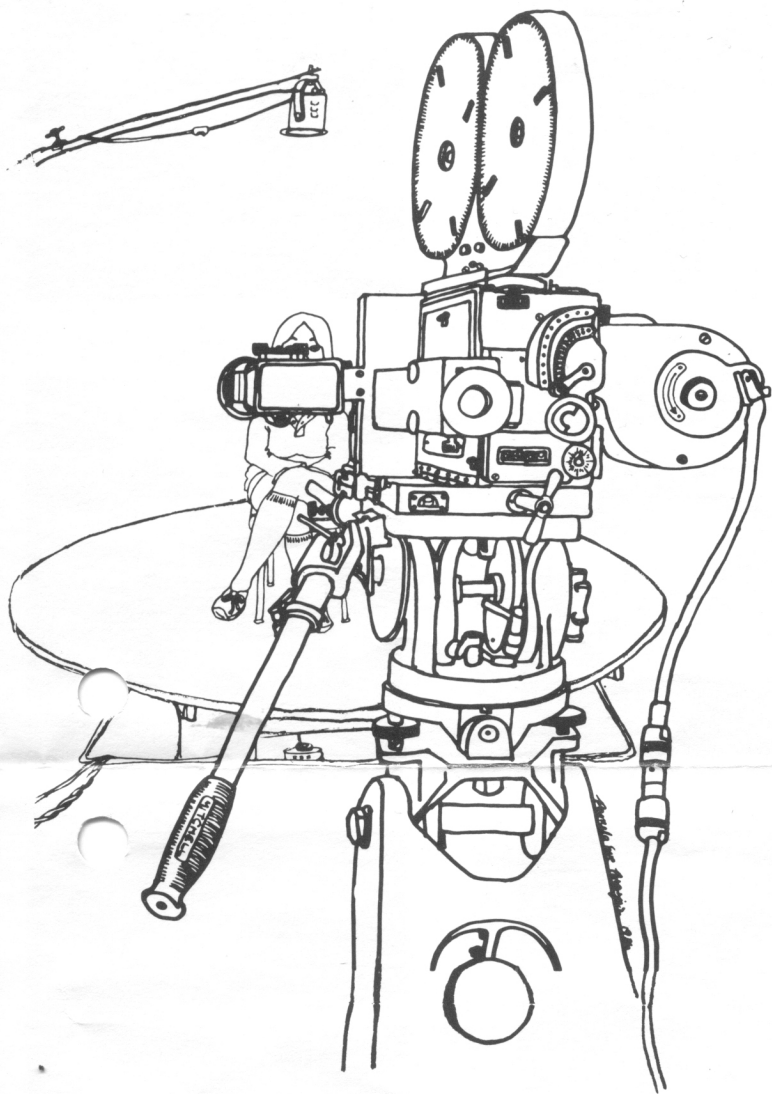


Here's how it's done:



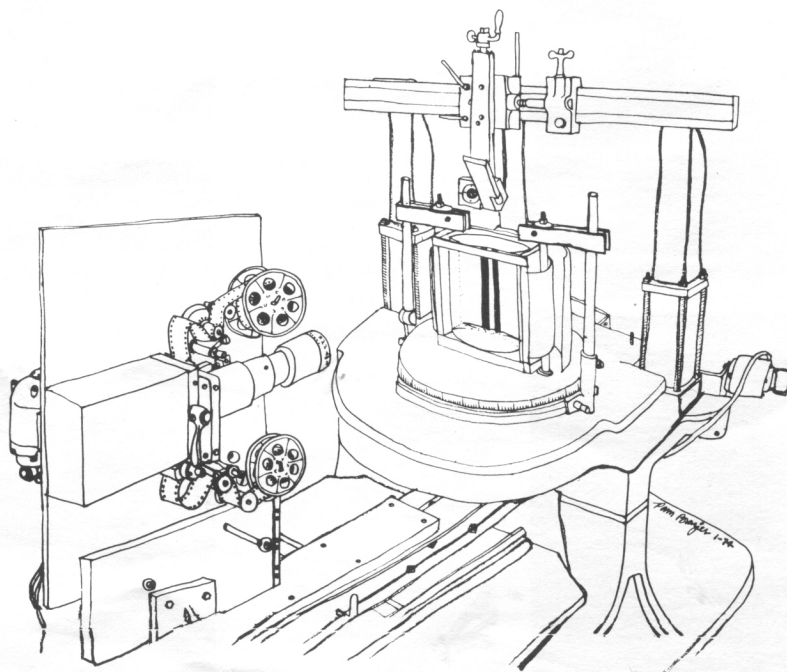
CINE' CAMERA AND TURNTABLE

The Multiplex Hologram is produced in a two-step process which involves both cinematography and holography to capture motion and dimension.

First, the subject is filmed on a slowly rotating platform using conventional 35mm movie camera equipment and lighting. Each 35mm frame records one-third of a degree of motion; hence a 360° hologram comprises 1,080 frames and a 120° hologram 360 frames. No laser is required at this stage.

Second, the developed and edited film is put through a special Multiplex printer, where each frame is illuminated by a laser beam and projected through a cylindrical lens, which focuses the image into a vertical line. This narrow vertical image is recorded holographically on high resolution film twice per 35mm frame.

When this final product is mounted on a curved or circular display, the observer sees a realistic composite image of the original subject. The many individual frames each representing a different perspective of the subject form, in effect, a single hologram.



MULTIPLY OPTICAL PRINTER