

*Nothing is quite like this. Except, maybe, sound recordings. In sound recordings, a sound field is created by vibrating matter (instruments, vocal cords) and is encoded in such a way that the vibrations can be reproduced later, without the instruments. When you listen to music you are getting the vibrations as if the instruments were there. In holography you are seeing the light on the object as if the object were there.*

*How much more interesting all of this is than video projections! You can **make holograms at home with kits** that include cheap consumer lasers like the one you use to entertain your cat, and I've certainly considered this. Vibrations, though, disrupt the development good clear hologram, which is why professional holograms are created with lasers mounted on basement optical tables, or tables below basements even, rooted into bedrock. Living on the second floor near a bar, with no room that seals into perfect darkness, I doubt I'd be able to make a nice hologram here.*