

Holography making its mark in lesson plans

3D images defy the eye

By Abigail Foerstner

IT'S CALLED 3D photography, or laser photography, or, by the initiated, holography.

If you don't know the word now, don't worry. The word and the three-dimensional images it describes will be hard to avoid in the future.

Three-dimensional motion pictures, three-dimensional television, three-dimensional picture phones? None of them are out of the question. In fact, 3D flicks are already being shown in a theater in Moscow.

CLOSER TO HOME, 8th graders at the Deer Path Intermediate School in Lake Forest are making holograms in their science class, said Dr. Tung H. Jeong, a pioneer in the field and head of the Department of Physics at Lake Forest College.

Jeong teaches classes on holography and many science teachers in the area have attended them.

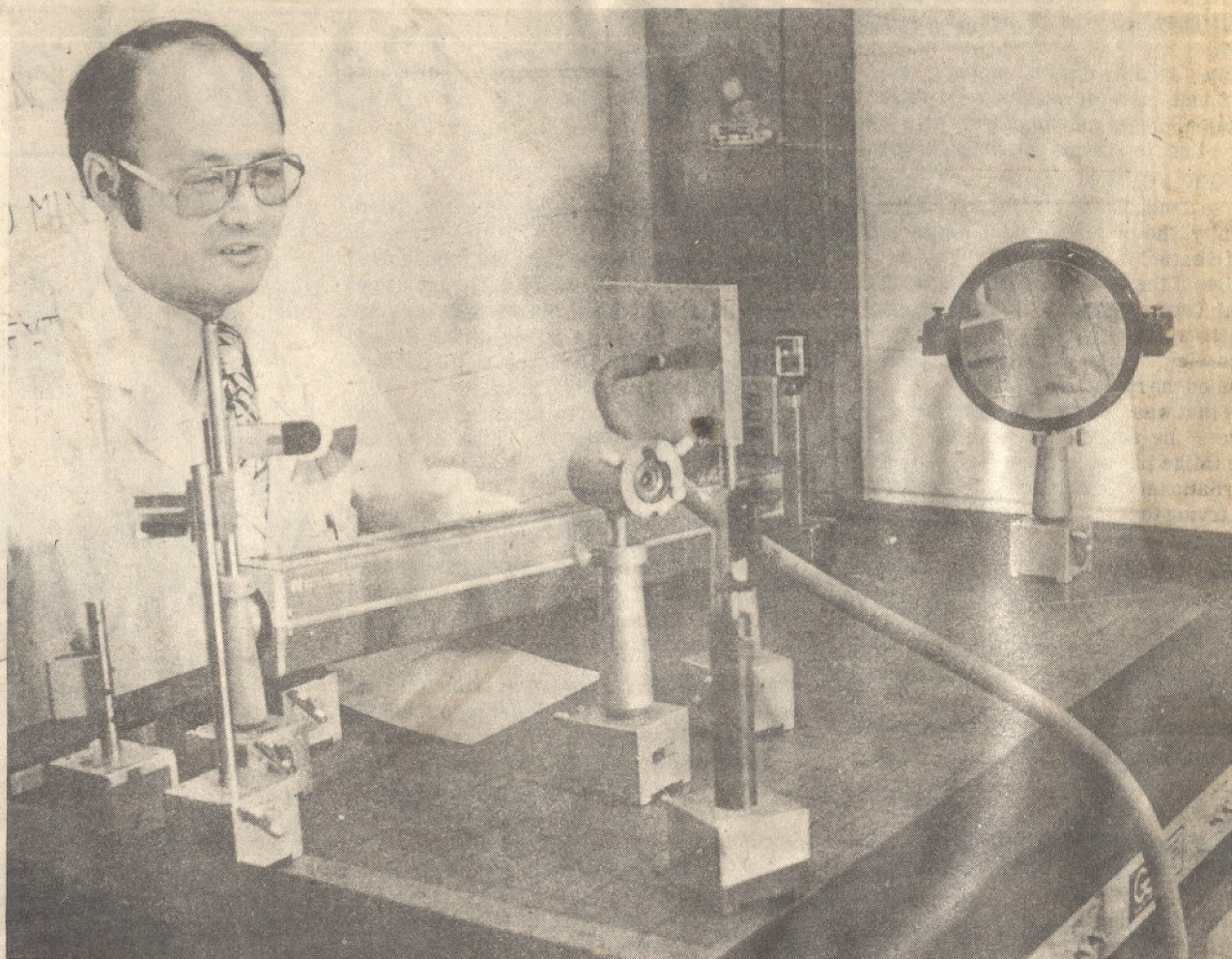
"I foresee (holography) in the 1980s as a common exercise in science classes," Jeong said. "It's very hard to understand how it works, but it's easy to do," he said.

TAKE A PIECE of conventional, extra fine grain film and place it against the subject, expose film and subject to a low level flash of laser light, and there you have it — a hologram. Illuminate the hologram with conventional light and the three-dimensional image appears, real enough to touch.

The hologram can be placed in any number of objects once it's made. For the 80s, consider not just the old image of yourself on a T-shirt but an honest-to-goodness 3D image of Number One imbedded in a paperweight.

Jeong said he will send out free instructions on making holographs to those who request them by writing to him at Lake Forest College. (Include a stamped, self-addressed envelope with the request.)

He said continuous classes on holography are held at the Fine Arts Research and Holography Center, 1134 W. Washington, Chicago.



"I foresee (holography) in the 1980s as a common exercise in science classes," says Dr. Tung H. Jeong, a pioneer in 3D photography and head of the department of physics at Lake Forest College. Laser equipment to make the photos is shown.