

TRANSITIVE STATES of LIGHT

MUSEUM OF HOLOGRAPHY / CHICAGO

PRESENTS

Concurrently, the Museum of Holography will also display the largest collection of holograms dealing with holography's connection to the practice of modern medicine, featuring the works of Dr. Ted Niemiec, Dr. Bert Meyers, and a special showing of work by the VOXEL group.

DR. TED NIEMIEC is a physician who has been deeply involved in holographic imaging for over a decade. Holography's underlying attraction, he says, is that it enables him to create three-dimensional images of that which physically exists as well as images of things which previously existed only in the mind of the holographer. His present exhibit focuses on a selection of medical images using holography as a tool of research on the frontier of diagnosis and therapy. He served as chief resident at the University of Chicago Hospital and is a visiting professor at Purdue University. He is also Director of Education at the Museum's School of Holography.

Director of the Holography Research Laboratory, Veteran Affairs Center, New Orleans. **DR. BERT MEYERS'** interest is to develop holography as a teaching tool. He believes that three-dimensional holograms will prove to be better than two-dimensional images in understanding complex structures. Their greater visual impact will lead to better memory retention.

VOXEL is a system designed to enable physicians to find out what is going on inside the human body by incorporating all the slices made in a CT or MRI exam into a single hologram. Displayed in a special light box, an accurate replica of the object examined is seen as a three-dimensional 'X-ray' which looks like a solid, but transparent, model of the patient's anatomy. Voxels clinical program now includes 19 leading medical institutions, including Johns Hopkins, Mayo Clinic, Massachusetts General and Stanford.