UCSD's Grove Gallery presents "Arts of Science"

January 19, 1988

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UCSD'S GROVE GALLERY PRESENTS "ARTS OF SCIENCE," A LOOK AT ARTFUL OBJECTS CREATED BY SCIENCE

"Arts of Science" is a UCSD Grove Gallery exhibit of articles created in the scientific quest for knowledge and excellence--photos taken from space, a mono-bodied aluminum violin, a hand-blown glass chemistry apparatus--some as beautiful as anything created in the pursuit of art.

The "Arts of Science" exhibition will extend from Jan. 19 through Feb. 13, with a public reception to be held from 6-8 p.m., on Jan. 22, at the Grove Gallery.

Photographs taken from a Challenger space flight will show all the beauty of the ocean as viewed from space--showing puzzling boat trails. Space officials wanted to know what type of ship was leaving such wakes. Dr. Walter Munk, professor at UCSD's Institute of Geophysics and Planetary Physics, was able to identify the type of boat trails in these aerial views taken from miles away.

Computer graphics will also be a part of the exhibit. Thirty-five millimeter slides of fractals, computer interpretations of mathematical equations, will be projected onto a screen.

An acrylic using chamber, developed by UCSD's Dharm Sathphorn M.D., and made by UCSD Developmental Technician Doug Tisdale, is the only apparatus of its kind that will grow a single layer of human cells.

A one-piece, black annodized aluminum violin was designed for UCSD violinist and composer Janos Negyesy by Michael Monfort, superintendent for the mechanical shops in the Department of Chemistry. The violin has no resonating chamber, but instead has electronic pickups built into the bridge. The violin was machined out of a solid block of aluminum. Negyesy uses the violin to play "21st century music," composed by himself and co-author Lee Ray.

UCSD glass blower John Pace will make a coil condenser for the display. The condenser, Pace says, is a simple distillation system, the kind commonly used in basic chemistry.

Pixel representations, which look like photographs, are taken by scientific sensors mounted on weather/experimental satellites from 850-900 kilometers above the Earth. These representations will show ocean areas of 1,000 square miles, and display the flow of ocean currents, ocean temperature patterns and patterns of ocean plankton. The pixel images will be supplied by UCSD's Scripps Institution of Oceanography associate research oceanographer James Simpson.

The Grove Gallery is open Tuesday through Friday from 9 a.m. to 5 p.m., and from 10 a.m. to 2 p.m. on Saturday. Free parking is available on weekends. For information call 434-2637.

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