



Cuboctahedron, Rhombic Dodecahedron, Tetrahedron, Octahedron: Top View Tetranet Series
Transparent Oil on Canvas, 74" x 65"

the subject matter of his paintings.

“Transparency” is the key to the visual effect. The process of layering transparent paint plays with the formal constraints of painting. Geometric forms are perceived as flat, like the picture plane and are also perceived as volumetric, allowing the eye to enter to the focal center of the complex polyhedral construction. Passage or the linkage of planes, which occurs with the layering, allows the viewer to perceive geometries as both self-contained and constantly shifting. The comprehension of the form is linear and concrete, yet translucent and tenuous. These oppositions reveal the structure as process, and process, in turn, is inseparable from time. Time makes the concept of physical and spiritual transport complete!

Pragmatism suggests the determination of truth or meaning of concepts by testing of practical results and contingency suggests a certain dependence on chance. The “color” of any particular point on the picture plane is determined by its interaction with all previous and all future “screens” of color, therefore according to its “position” within the “hierarchy of screens.” ■

Hypercross: Mathematica Series
Transparent Oil on Canvas, 82" x 65"

John Hiigli



ohn Hiigli’s interest in transformational geometry deepened when, as a graduate student in early childhood education at Bank Street Graduate School of Education in New York City, he wrote his masters thesis on Fuller and

Piaget. This work led to a survey of the modern masters of geometry and a search for strategies to comprehend, organize and translate their theories into a comprehensive system. These studies culminated in a patent on a geometrical block system in which a few elementary structures may be utilized to build up complex spatial systems. The transformations inherent in these systems became

