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A Tribute to Magnus Wenninger: A Visual Adventure in Mathematical Thought.

Father Magnus Wenninger spent 79 years of his 98 years of life as a Benedictine monk, educator, mathematician, author, student of philosophy and polyhedrons. He made major contributions to help rekindle the interest in polyhedron as an integral part of mathematics education. Through his polyhedron, modeling he demonstrated the importance of visual thinking as an aid to solving complex problems. This presentation will focus on his influence on the advantages of visual thought. Model building as a means of making connections within a family of polyhedron transformations will be discussed. As an example, a short animated film will be shown illustrating a series of polycylinderhedron relationships. (Received September 11, 2017)