We study the class of perfect images of generalized ordered (GO) spaces, which we denote by PIGO. Mary Ellen Rudin’s celebrated result characterizing compact monotonically normal spaces as the continuous images of compact linearly ordered spaces implies that every space with a monotonically normal compactification is in PIGO. But PIGO is wider: every metrizable space is in the class, but not every metrizable space has a monotonically normal compactification. On the other hand, a locally compact space is in PIGO if and only if it has a monotonically normal compactification. Bennett and Lutzer had asked whether every (semi)stratifiable space with a monotonically normal compactification must be metrizable; we give a positive answer to this question by showing that every semistratifiable space in PIGO is metrizable. This also shows that there are monotonically normal spaces which are not in PIGO.  (Received September 11, 2016)