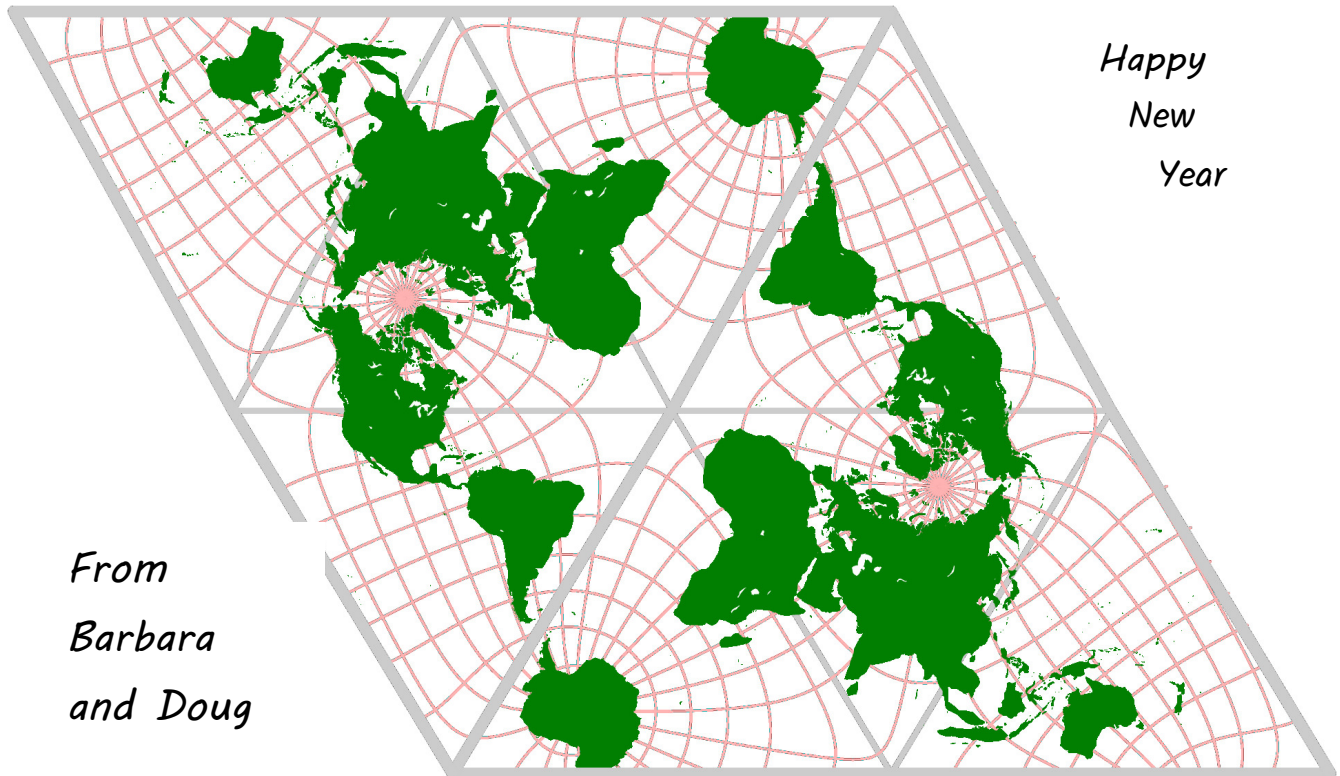


# Tilted Tetrahedron, Triangular Tiling



*Happy  
New  
Year*

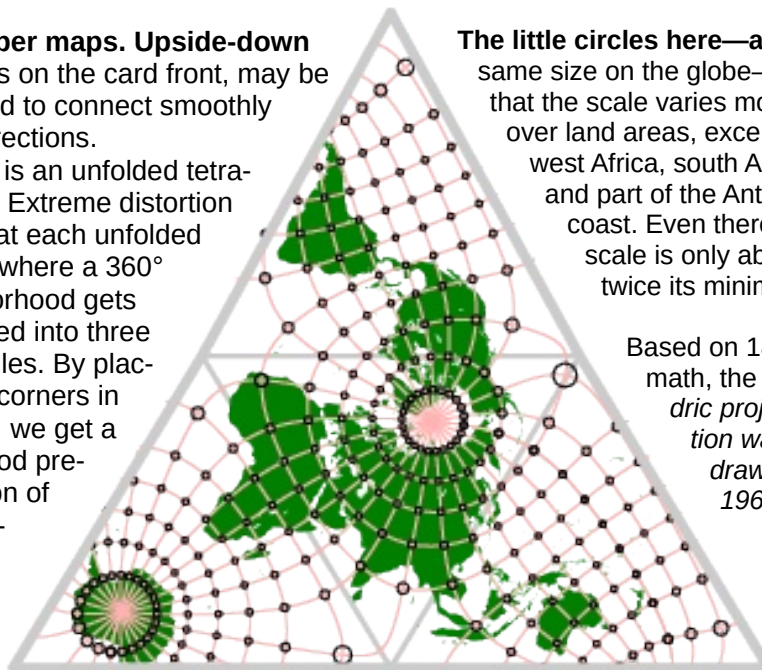
*From  
Barbara  
and Doug*

**Wallpaper maps. Upside-down** pairs, as on the card front, may be repeated to connect smoothly in all directions.

The tile is an unfolded tetrahedron. Extreme distortion occurs at each unfolded corner, where a  $360^\circ$  neighborhood gets squeezed into three  $60^\circ$  angles. By placing the corners in oceans, we get a very good presentation of the continents

**The little circles here—all the same size on the globe—**show that the scale varies modestly over land areas, except in west Africa, south Asia, and part of the Antarctic coast. Even there the scale is only about twice its minimum

Based on 1840s math, the *con-dric projec-tion* wasn't drawn until 1965!



This is a reprise of the [1983](#) card, enlivened by improved technology. An off-axis tilt fits every continent whole within the unfolded tetrahedron.