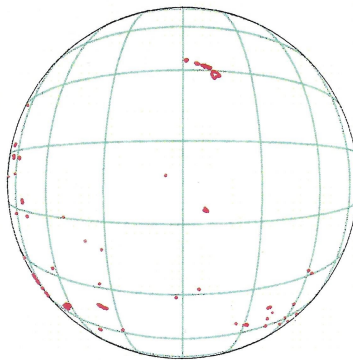
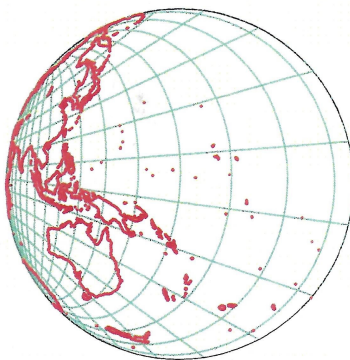
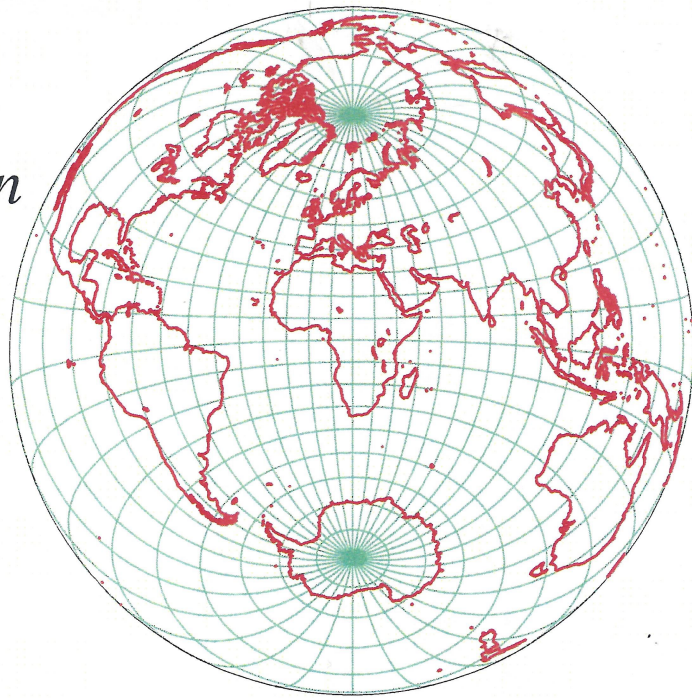


## Conformal Transformation of the Globe

*Peace on Earth  
Good Will to Men*



The skin of a globe got squeezed around so the continents crowded into the front half. The Pacific Ocean stretched to cover the back. (Hawaii, like its favorite son, became larger than life, but remote.) Seen from the front or back the globe looks OK, but from the side it looks wildly warped.

Orthographic views of a conformally distorted globe.

The stretching of the skin away from one point (or pole) and squeezing towards its antipode is a conformal map of the sphere onto itself. If the stretching happens about the north pole, then the equator shifts from the midplane of the sphere into the southern hemisphere, like a waistband falling away from an ample midriff. Thus I call such a transformation a *droop*.