962-55-962   **Satyan L Devadoss*** (`devadoss@math.ohio-state.edu`). *Combinatorics of Real Moduli Spaces.* We look at the real points of the (Grothendieck-Knudsen) compactified moduli space of punctured Riemann spheres. It can be described as coming from the configuration space of points on a circle, resulting in a beautiful combinatorial tiling by convex polytopes known as associahedra. This space can also be obtained as blow-ups of braid hyperplane arrangements. Using pictures and elementary ideas, we explore this space, describe its properties, and calculate its homology. (Received September 29, 2000)