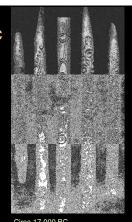


History: Paleolithic

- Often representations, even literalistic
- Captures the anatomy and movement of animals
- Artists did not create their own media, but accepted what nature gave them



History: Neolithic

- · New modes of life
- Artificial objects
- Artistic production encompasses the entire object
- Separation of the object and its ornament: separate artifacts



History: Neolithic

- Ornament is now extraneous to the object
- · Often stereotypical



Circa 5.700 BC

History: Neolithic

- Often stereotypical
- Almost infinite scope for variations
- Laid the foundation for contemporary ornament



Circa 2.600 BC

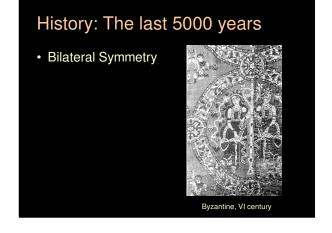
History: The last 5000 years

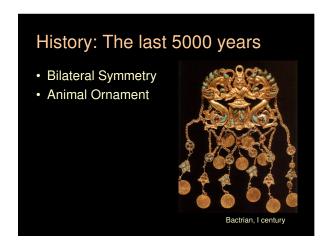
- A creative explosion
- · Not everything is new

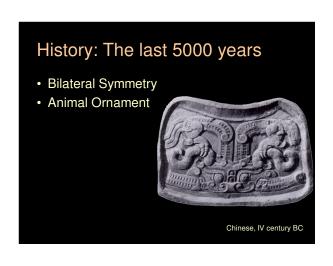


West African mud house, circa 1888

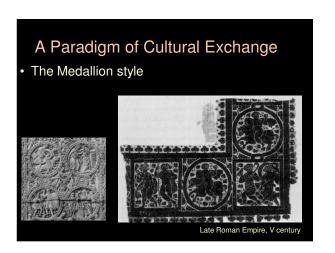


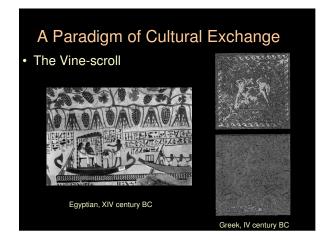


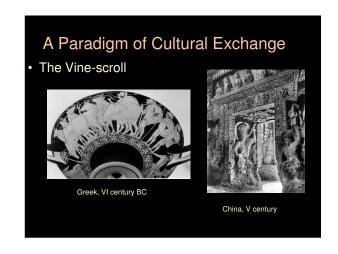






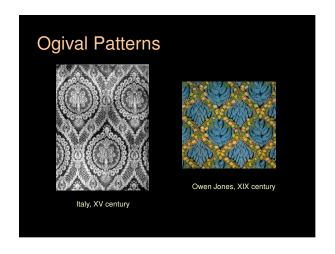


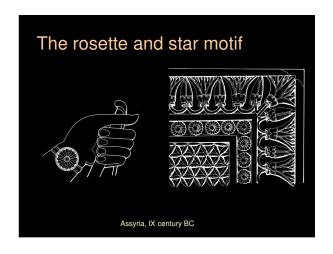


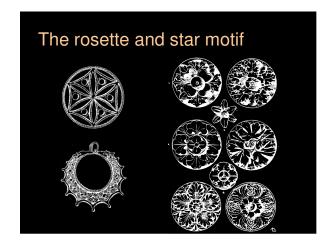


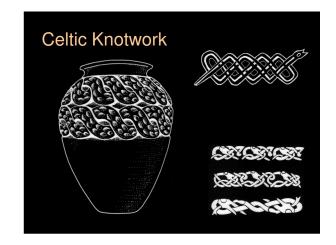


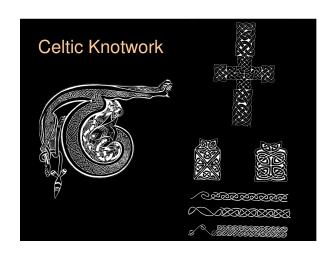




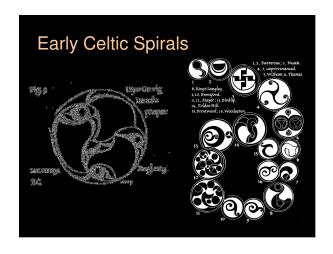


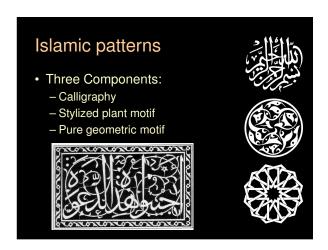


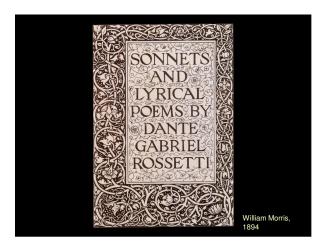


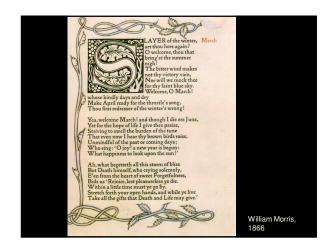


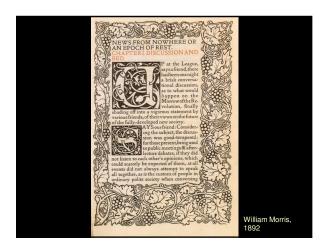












Rhythmized Foliation

- A repetitive or recycling linear pattern
- · The periodic formation of a scroll shape
- The periodic emergence of a radiation or dilating figure emerging from the scroll that is usually, but not always, conventionalized from plant forms (foliation)



Computer-Generated Floral Ornament Problem statement The problem space of all possible ornamental design is simply enormous. In order to approach the problem at all, we need to limit our domain. We therefore make the following taxonomy (adapted from Meyer [21]). First, the elements of ornamental design can be broken down into three broad categories. 1. geometrical elements, such as lines, polygons, ovals, and the like (Figure 1a), 2. natural forms, which can be further classified as 1. plants (Figure 1b), 2. animal/human forms (Figure 1c), 3. aphysiographic features (Figure 1d); and 3. artificial objects, such as shields, ribbons, or torches (Figure 1c) elements of ornament into four main contexts. A. to bands, which have finite thickness in one dimension and are infinitely repeating in the other (Figure 2a), B. to half-spen borders, which are tightly constrained along one or more edges, but open in other directions (Figure 2b), C. to panels, which are arbitrary bounded regions of the plane (Figure 2c), and D. to the open plane, in which the ornament typically becomes a repeating pattern (Figure 2d).

