

**Lecture 39**  
**Horticulture and Botanical Illustration**



**Uses of Plant Illustration:**  
Identification  
Analysis  
Classification

**Approaches to Plant Illustration:**  
Representational  
Stylized  
Idealized

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**Types of Plant Illustrations**

Sculptural  
Mosaics  
Drawing  
Painting (watercolor, oils)  
Embossing (nature prints)  
Carbon prints  
Photography  
Black and white vs. color  
Scanning electron microscopy;  
Tunneling microscopy  
Computer

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**Paleolithic and Neolithic representations of plants**



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History of Horticulture: Lecture 39

Papyrus and lotus symbols of upper and lower Egypt



Intertwining of lotus and papyrus symbolizing the reunification of upper and lower Egypt

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The Temple of Khnum (Kom Ombo), at Esna showing columns representing papyrus and lotus

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Hellenic



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History of Horticulture: Lecture 39



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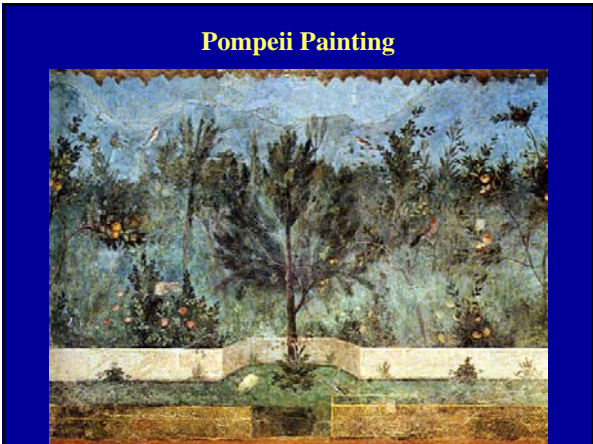
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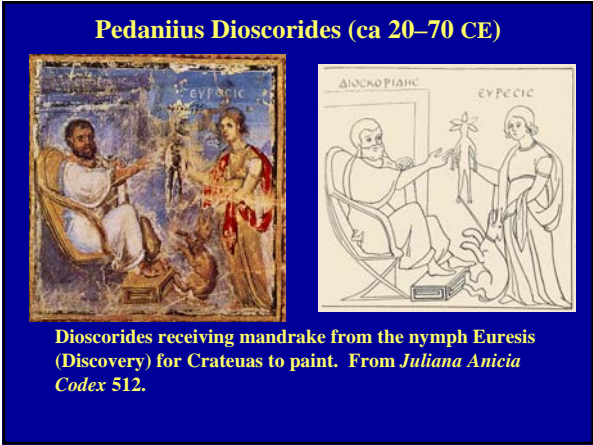
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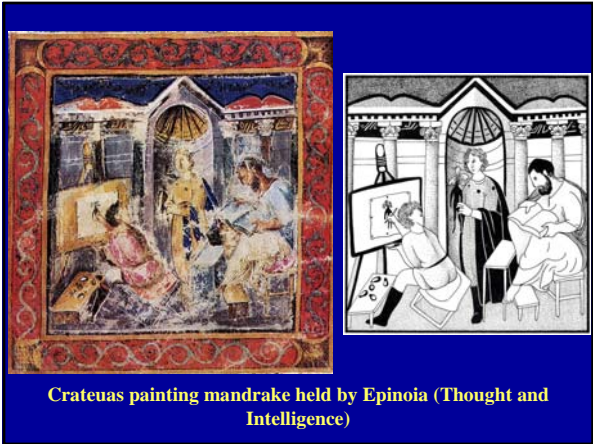
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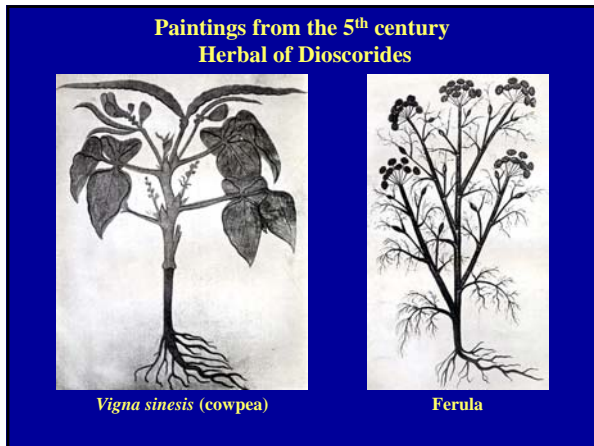
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History of Horticulture: Lecture 39



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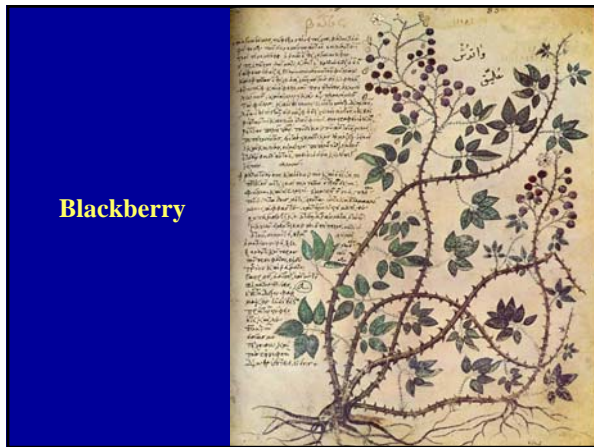
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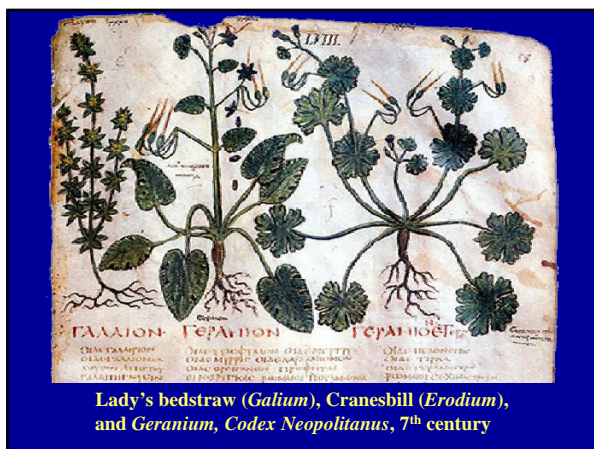
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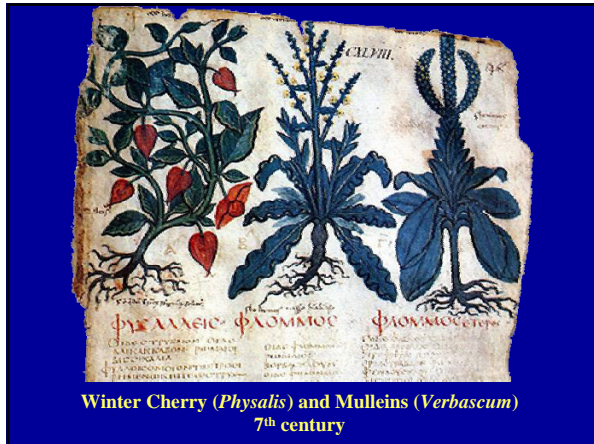
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# History of Horticulture: Lecture 39



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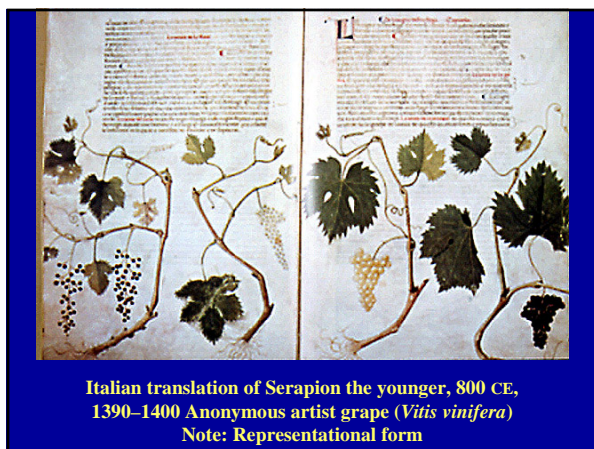
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History of Horticulture: Lecture 39



**Corn poppy**  
(*Papaver rhoeas*)  
Benedetto Rinio,  
*Liber de Simplicibus* 1419

**Pflanzenbuch 1500, Charlemagne**  
and carline thistle (*Carlina acaulis*)  
An angel dispatched by God shoots  
an arrow into the plant  
to heal the King of plague

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**Herbal and Bestiary,**  
England (1510–1520)  
Foxglove  
(*Digitalis purpurea*) and  
Fennel (*Faeniculum vulgare*)  
Note: Idealized form

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**The Botanical Drawings of**  
**Leonardo de Vinci (1452–1519)**



*Coix lacryma-jobi* (jobs tears)

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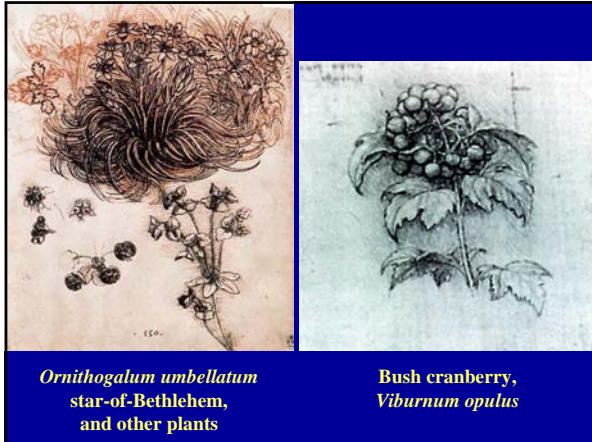
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History of Horticulture: Lecture 39



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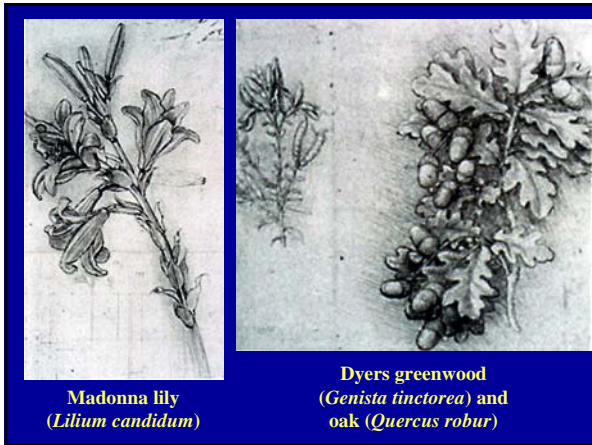
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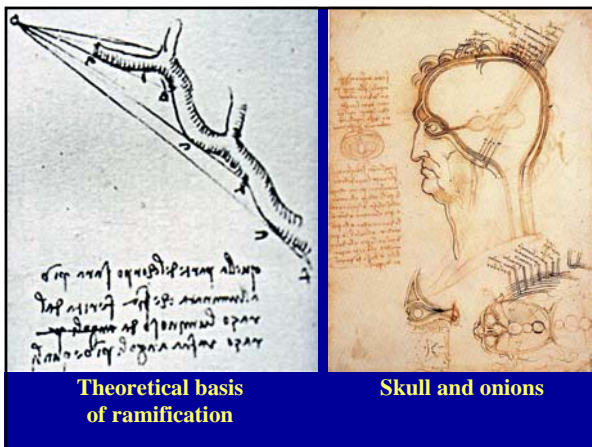
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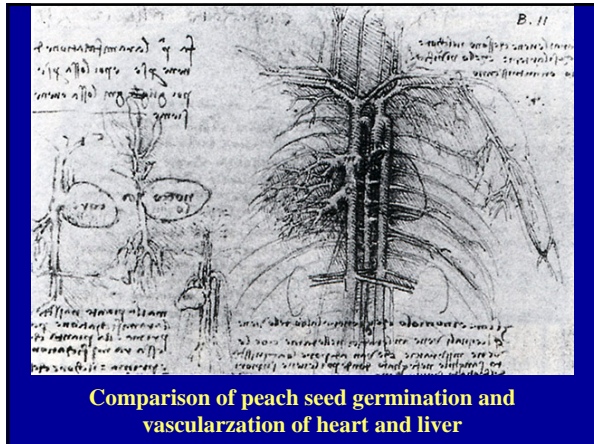
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History of Horticulture: Lecture 39



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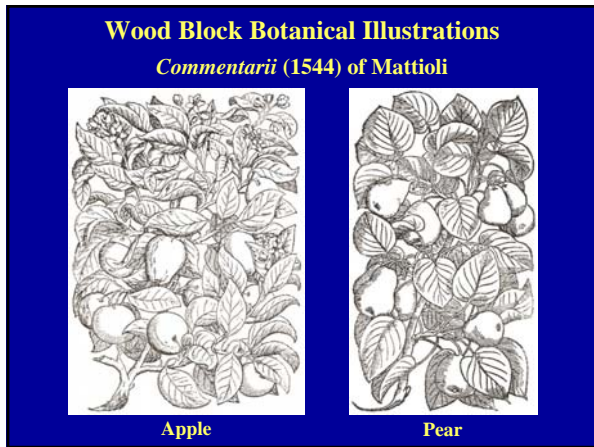
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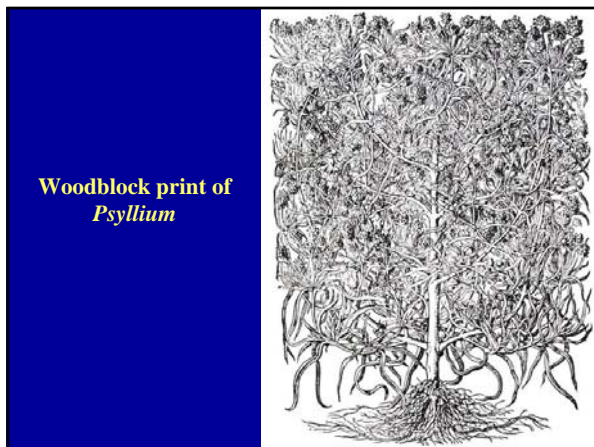
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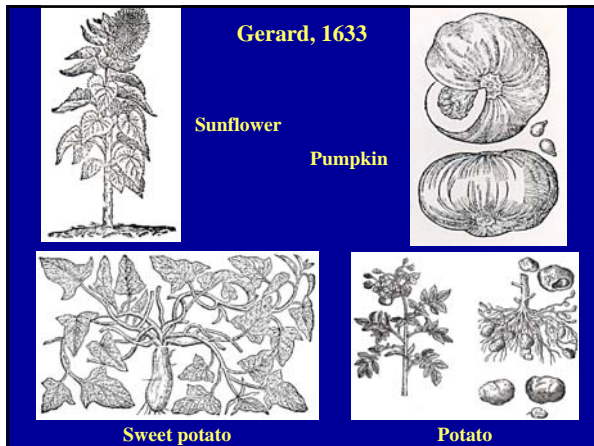
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History of Horticulture: Lecture 39



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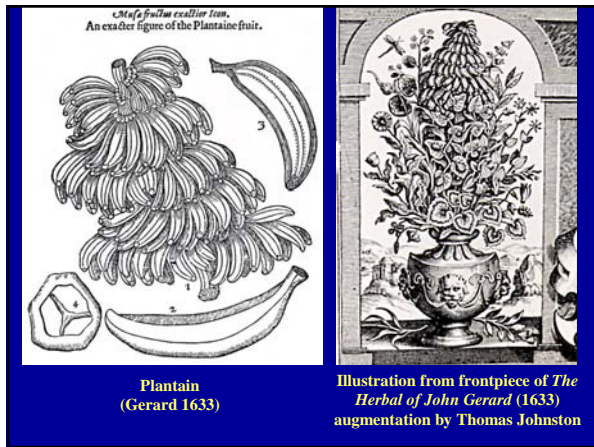
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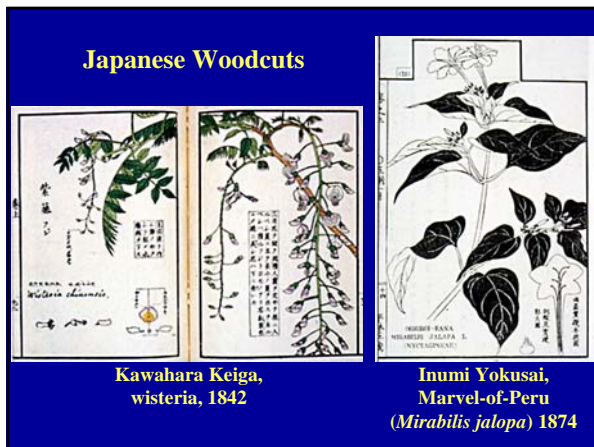
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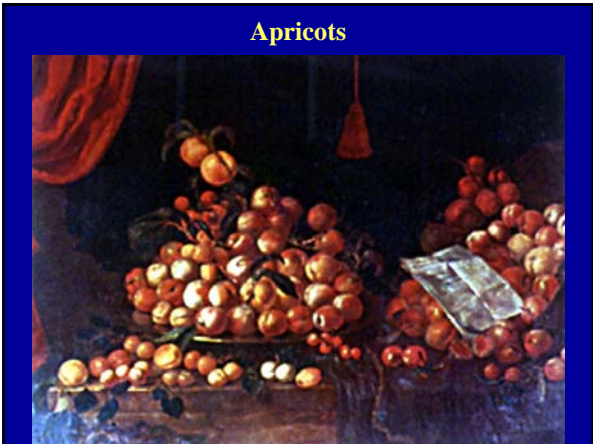
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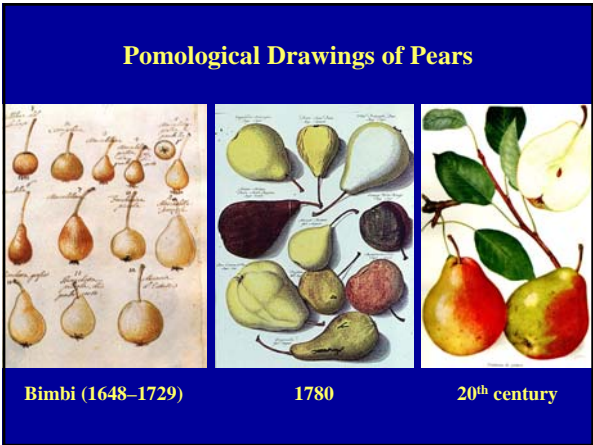
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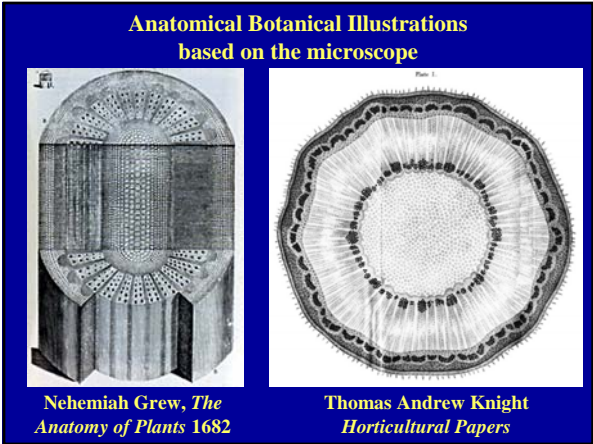
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**Florilegia: Jacques Le Moyne de Morques (1533–1588)**



Wild strawberry



Borage (*Borago officinalis*)

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**18<sup>th</sup> Century Illustrations**



Parrot tulip,  
Georg Dionysius Ehret,  
*Celebrations of the  
Beauty of Plants*, 1744



Georg Dionysius Ehret,  
glade willow and morning  
glory, 1748

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Georg Dionysius Ehret  
Lily, 1740s



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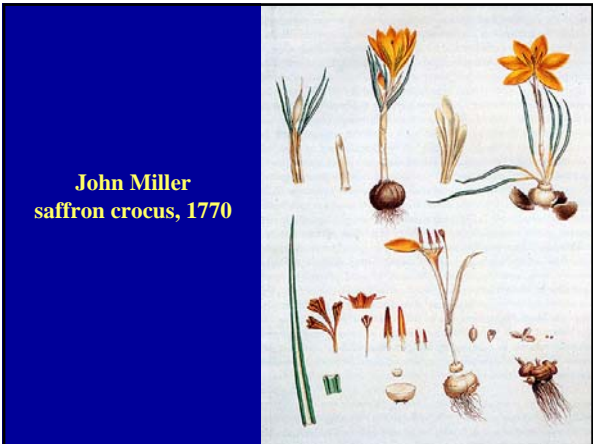
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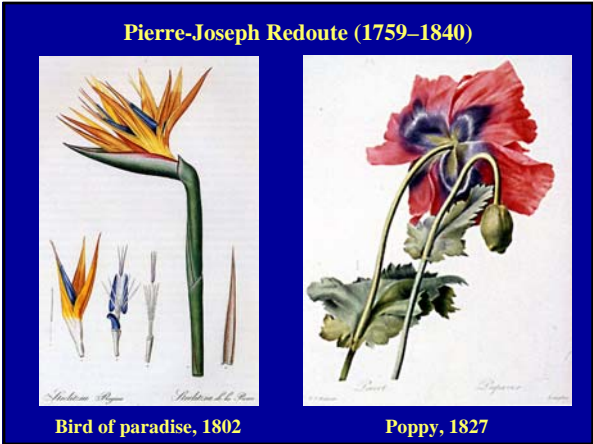
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History of Horticulture: Lecture 39

Jean Louis Prevost  
Bouquet with peonies,  
poppy, and foxglove  
(1805)



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Samuel Halden,  
orchid, 1844



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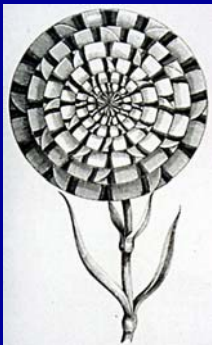
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19<sup>th</sup> Century American Horticultural Illustrations



Perfect carnation, US plant  
patent illustration 1850



James Andrew, dahlia,  
*Floral Magazine*, 1862

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# History of Horticulture: Lecture 39



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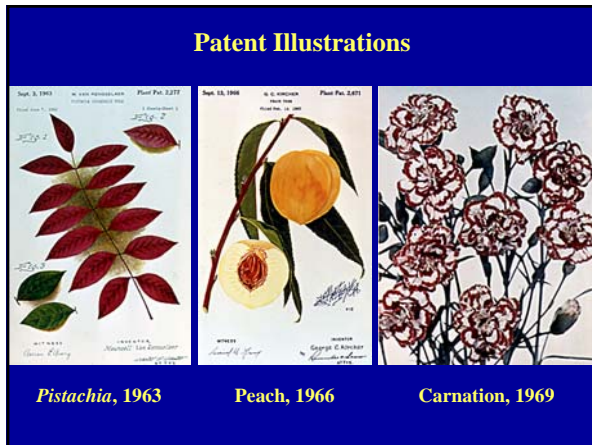
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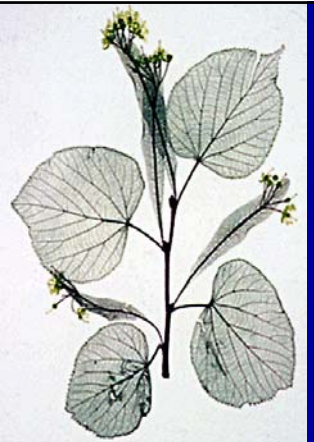
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**Nature Prints**

**Bradbury and Evans,  
(Plant impressions)**



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**Photography**



**Anne Atkins, (1799–1871),  
dandelion, Cyanotype print**

**Roger Phillip, wild flowers  
field guide, 1977**

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**Scanning Electron Photo-micrograph**



**Tomato leaf surface**

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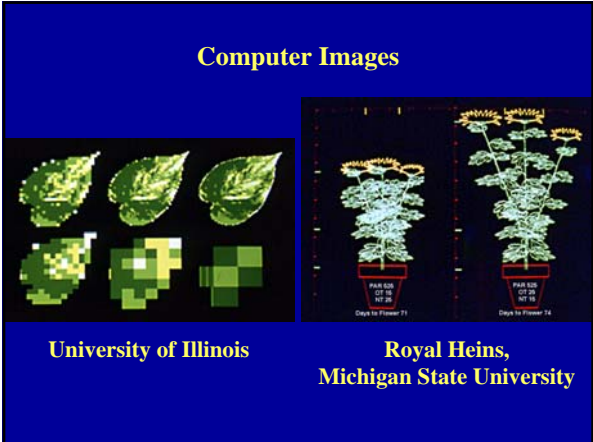
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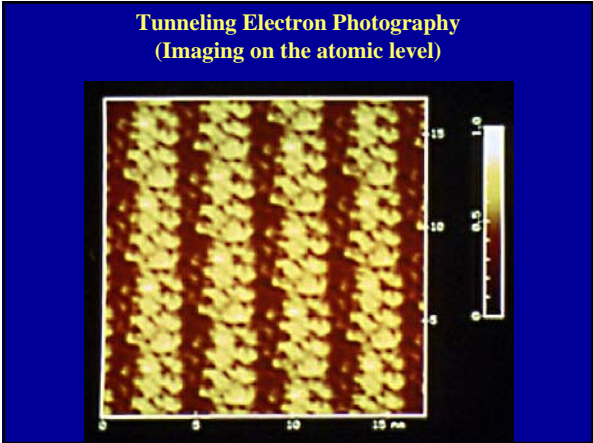
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