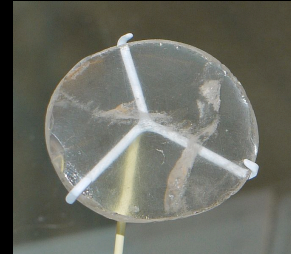


Lecture 2: The Contributors

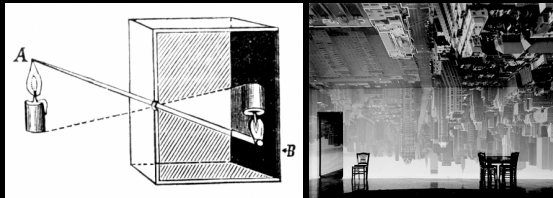


Assyrian Nimrud Lens 750 BCE



Mo Di (Mo Ti) aka Mozi (Mo Tzu) 470 to 390 BCE

First recorded observation of Camera Obscura



How a Camera Obscura works.

Abelardo Morell
Manhattan View Looking South in Large Room
Gelatin Silver print, 1996

Plato's Cave c. 380 BCE

Antisthenes: *Plato, I see particular horses, but not horseness.*
Plato: *That is because you have eyes but no intelligence.*



Alhazen (Ibn al-Haytham)

c. 1010
Theory of Vision and OPTICS



Albertus Magnus

1250
Magnus discovers that silver nitrate darkens in the sun.



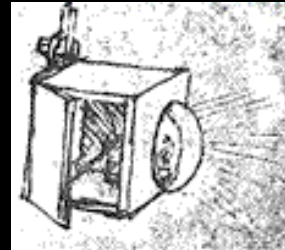
Tommaso da Modena
Albertus Magnus
Fresco, 1352

Roger Bacon's magnifying glasses 13th Century



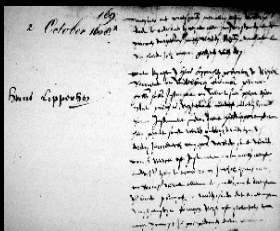
Conrad von Soest
The Glasses Apostle
1403

Leonardo's Magic Lantern



Hans Lippershey (or Lippershey)

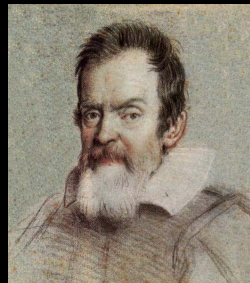
1608
Applies for telescope patent



Earliest record of the existence of the telescope.
The application was denied because the States
General thought the device could not be kept a secret.

Galileo's Telescope

1609

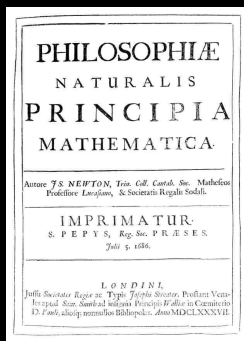


Ottavio Leoni
Galileo Galilei
Drawing, stone on paper, 1624

Galileo's Telescope

Philosophiæ Naturalis Principia Mathematica

By Isaac Newton, 1686



Johann Schulze

1725
First Photographic emulsion: chalk, nitric acid and silver nitrate
(accidentally discovers that silver nitrate darkens in sun)



Thomas Wedgwood

1790

Makes first silver Nitrate sun print

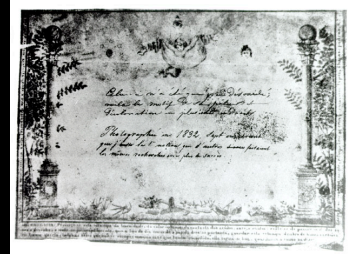


Thomas Wedgwood
Untitled

Silver nitrate sun print, c. 1790

Hercules Florence

1833 Brazil



First photocopy (of a diploma)

Inventors of Photography



Joseph Nicéphore Niépce
Louis Jacques Mandé
Daguerre
William Henry Fox Talbot
Hippolyte Bayard

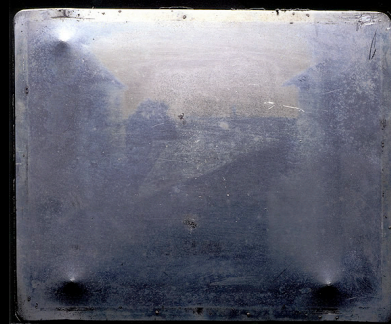
Early Photographic Processes

- Niépce - Heliograph
- Daguerre - Daquerrotype
- Fox Talbot – Calotype, Talbotype, Salt print
- Bayard – Direct Positive Bleach Process

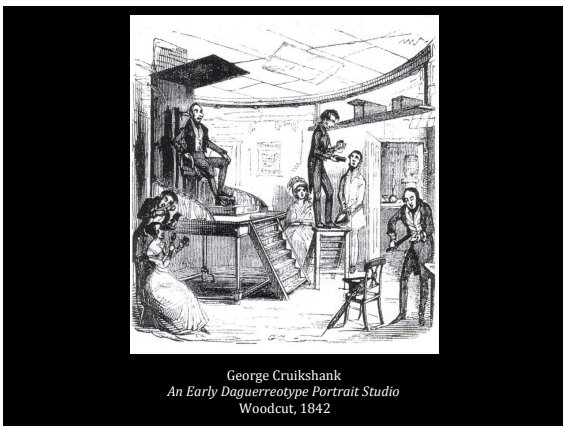
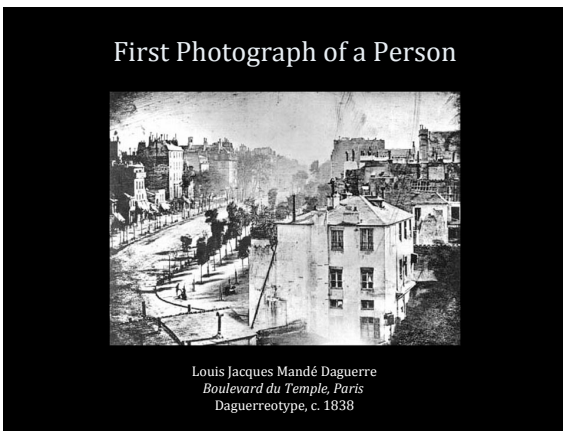
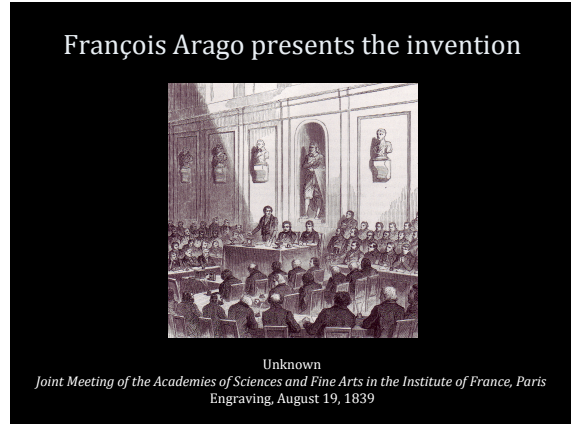
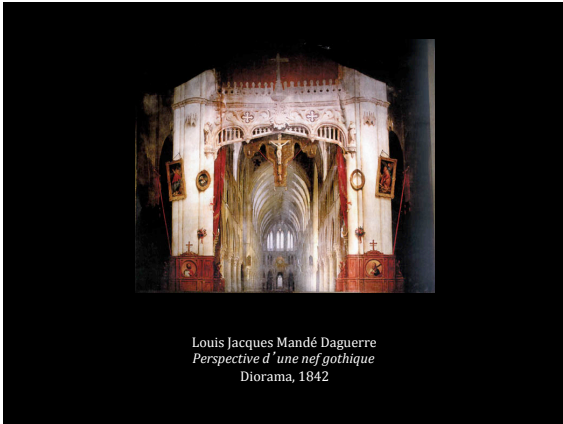
The First Photograph



Joseph Nicéphore Niépce
View from the Window at Le Gras
Heliograph, c. 1826



Joseph Nicéphore Niépce
View from the Window at Le Gras
Heliograph, c. 1826
Collection: Harry Ransom Center, University of Texas at Austin



Daguerreotype Studio Apparatus



Daguerrotype Camera



Daguerreotype in case



Augustus Washington
Portrait of John Brown
Daguerreotype, c. 1846



Southworth and Hawes
Captain Jonathan W. Walker's Branded Hand
Daguerreotype, 1845

Punishment for helping 7 slaves to escape.

Hand coloring kit for Daguerreotypes





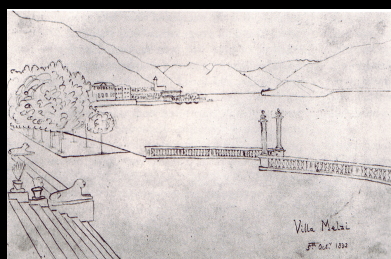
Southworth and Hawes
Unidentified Girl
Hand colored Daguerreotype, c. 1850



William Henry Fox Talbot
Geranium robertianum
Photogenic drawing, c. 1839

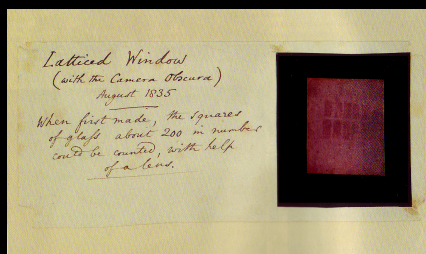


William Henry Fox Talbot
Unknown
Photogenic drawing, c. 1839



William Henry Fox Talbot
Villa Metzi
Camera lucida sketch on paper, October 5th, 1833

Talbot's Moustrap Camera 1839



William Henry Fox Talbot
Ref.: Talbot's Earliest Surviving Paper Negative: Latticed Window, Lacock Abbey
1835



William Henry Fox Talbot
The Open Door
Salted paper print from a calotype negative, 1843
Talbotype - Calotype - Salt Print

de Hooch and Fox Talbot



Pieter de Hooch
The Courtyard of a House in Delft
Oil on canvas, 1658



William Henry Fox Talbot
The Open Door
Salted paper print from a calotype negative, 1843

First Photo Book

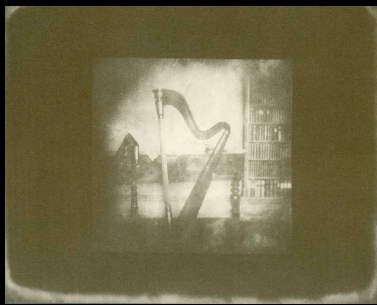
1844



"The plates of the present work are impressed by the agency of Light alone, without any aid whatever from the artist's pencil. They are the sun-pictures themselves, and not, as some persons have imagined, engravings in imitation."

-Talbot

William Henry Fox Talbot
Pencil of Nature: Cover of the first fascicule
1844



William Henry Fox Talbot
Harp
Calotype, October 16, 1840
21 minute exposure



William Henry Fox Talbot
Untitled
Calotype, n. d.



Hippolyte Bayard
Self-Portrait as a Drowned Man
Direct paper positive, 1840

Written on the back of *Self-Portrait as a Drowned Man*

"The corpse which you see here is that of M. Bayard, inventor of the process that has just been shown to you. As far as I know this indefatigable experimenter has been occupied for about three years with his discovery."

The Government which has been only too generous to Monsieur Daguerre, has said it can do nothing for Monsieur Bayard, and the poor wretch has drowned himself. Oh the vagaries of human life...!"

... He has been at the morgue for several days, and no-one has recognized or claimed him."

-Hippolyte Bayard



Hippolyte Bayard
Excavation for rue Tholoze
Paper negative, 1842

John Herschel

(1792-1871)

Named "photography"

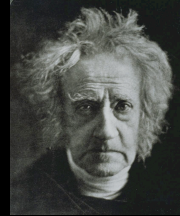
Named positive negative

Invented Fixer

Invented cyanotype

Invented anthotype

Experimented with color photography



Julia Margaret Cameron
Sir John William Herschel
Albumen print, 1867

Sir John independently invented photography on his own, Feb 10, 1839
after hearing of Daguerre and Talbot.



Sir John F. W. Herschel
Framework of Herschel's forty-foot telescope
Silver-based paper negative, 1839

William Herschel's telescope Seen through window at Slough

Cyanotype

Invented by Herschel



Anna Atkins
Algae
Cyanotype, 1843