

1860



**1861** – Benito Juárez is elected president of Mexico. During his administration, the invasion by France is repelled and basic social reforms are implemented.



Scala/Art Resource, NY

**1861** – The American Civil War begins at Fort Sumter in Charleston, South Carolina.

1870

1873

$$c = \frac{1}{\sqrt{\mu_0 \epsilon_0}}$$

**James Clerk Maxwell** completes his *Treatise on Electricity and Magnetism*. In this work, Maxwell gives **Michael Faraday's** discoveries a mathematical framework.



**1874** – The first exhibition of impressionist paintings, including works by **Claude Monet**, **Camille Pissarro**, and **Pierre-Auguste Renoir**, takes place in Paris.

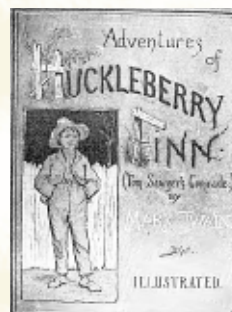


Giraudon/Art Resource, NY

1880



**1878** – The first commercial telephone exchange in the United States begins operation in New Haven, Connecticut.



**1884** – *Adventures of Huckleberry Finn*, by **Samuel L. Clemens** (better known as Mark Twain), is published.

1890

1888

$$\lambda = \frac{c}{f}$$

**Heinrich Hertz** experimentally demonstrates the existence of electromagnetic waves, which were predicted by **James Clerk Maxwell**. **Oliver Lodge** makes the same discovery independently.



1900