

CHRONOLOGY OF COLOR PHOTOGRAPHY

At the onset of the photographic age in the late 1830's, viewers were surprised and disappointed that the processes yielded monochromatic images. The race was on to find techniques to render photographs in true color.

- 1840 The first United States Patent in photography is awarded to someone for the hand-coloring of photographs.
- 1841 Niepce de Saint-Victor, a nephew of Nicephore Niepce, notices colors in some daguerreotypes he was making.
- 1851 The Reverend Levi Hill of Westkill, NY, announces his *Heliochrome* process and virtually kills the daguerreotype industry, as customers would rather have color ones instead of black and white.
- 1870 Vogel discovers the color sensitization properties of dyes, key to success in color photography.
- 187? James Clerk Maxwell demonstrates RGB analysis and synthesis of a Tartan ribbon with tri-color projection.
- 1877 Louis Ducos du Hauron uses RGB analysis and CMY synthesis to produce color photographic prints.
- 1881 Gabriel Lippmann publishes and demonstrates his interferential process of color photography^{***}.
- 1900 The Lumiere Freres put Autochrome on the market.
- 1908 R. W. Wood describes his diffraction grating based method of color photography.
- 1920 Dye Transfer Process is invented.
- 1933 Autochrome is removed from the market.
- 1934 Dufaycolor is put on the market.

* To be discussed in **Unit 7, THE WAVE LIKE NATURE OF LIGHT.**

** Also to be discussed in **Unit 7, THE WAVE LIKE NATURE OF LIGHT.**

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- 1935 Kodachrome is introduced in 16mm movie format.
- 1936 Kodachrome is introduced in 35mm still format, along with the predecessor of the Kodak Carousel projector, the Kodak Cavalcade projector.
- 1938 The Wizard of Oz, the first Technicolor feature film is released.
- 1945 Chromogenic color coupling developers (which turn essentially clear dyes into the CMY form) is learned as a part of the spoils of WWII, paving the way for Ektachrome and Kodacolor.
- 1962 Polaroid introduces Type 108, the first instant color process.
- 1972 Polaroid introduces the SX-70 camera, the first self-developing color film.
- 1988 Some guy recreates the *Heliochrome* process of Levi Hill¹.

1.SPSE proceedings.