

# **Starlight Detectives: How Astronomers, Inventors, and Eccentrics Discovered the Modern Universe**

Alan Hirshfeld



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## Starlight Detectives: How Astronomers, Inventors, and Eccentrics Discovered the Modern Universe

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In 1929, Edwin Hubble announced the greatest discovery in the history of astronomy since Galileo first turned a telescope to the heavens. The galaxies, previously believed to float serenely in the void, are in fact hurtling apart at an incredible speed: the universe is expanding. This stunning discovery was the culmination of a decades-long arc of scientific and technical advancement. In its shadow lies an untold, yet equally fascinating, backstory whose cast of characters illuminates the gritty, hard-won nature of scientific progress.

The path to a broader mode of cosmic observation was blazed by a cadre of 19th-century amateur astronomers and inventors, galvanized by the advent of photography, spectral analysis, and innovative technology to create the entirely new field of astrophysics. From William Bond, who turned his home into a functional observatory, to John and Henry Draper, a father and son team who were trailblazers of astrophotography and spectroscopy, to geniuses of invention such as Lon Foucault and George Hale, who founded the Mount Wilson Observatory, Hirshfeld reveals the incredible stories and the ambitious dreamers behind the birth of modern astronomy.

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