

The history of eye movement research extends over two centuries; Charles Darwin's grandfather Erasmus published *Zoonomia* in 1794, including a section on movements of the eye. But instrumentation that could reliably track an observer's gaze wasn't available until a century later, and the technology still used by the majority of modern gaze trackers was introduced by John Merchant 50 years ago. I will review the methods that have been used to track gaze, and describe a new machine-vision method that we have recently proposed.