

The Guiding of Light

Total internal reflection: Johannes Kepler (before 1611)

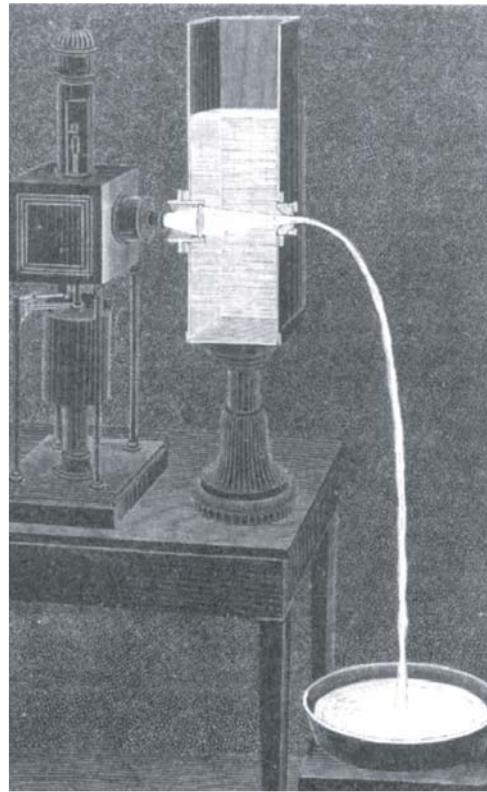
Laws of reflection and refraction: Willebrord Snell (between 1621 and 1625)

Guiding of light by total internal reflection: Daniel Colladon (1842)

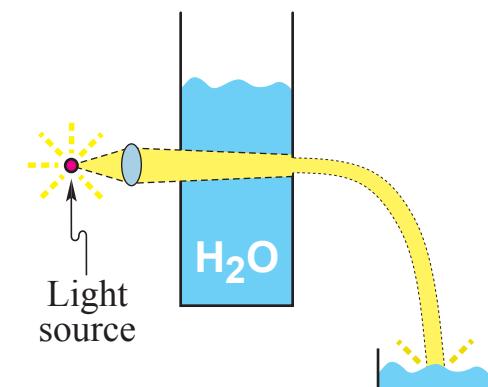
(*Comptes Rendus*, Vol. 15, p. 800, Oct. 24, 1842)



Daniel Colladon (1802 – 1893)
"Father of light guiding"



Daniel Colladon's apparatus



"... one of the most beautiful experiments one can perform in a course on optics ..."

(after J. Hecht, Optics & Photonics News, Oct. 1999)