

FIREFLIES & BIOLUMINESCENCE

Attenborough's LIFE THAT GLOWS (2016) 53 min | Documentary Broadcast streaming

Firefly segments filmed in Kellettsville PA! Sir David Attenborough explores how and why organisms produce living lights. For centuries, we could only see their beauty with the naked eye. Now, for the first time we can capture the faintest glow of luminous life, using cameras over 4,000 times more sensitive than a decade ago. A new generation of submersibles and robots has enabled scientists to penetrate deep-sea realms. With them, we can understand bizarre symbiotic relationships, chemical processes and genetic anomalies. See thousands of male fireflies flashing their lights on and off in unison to attract mates and, in extreme locations, watch animals use their magic glow to hunt, to warn and to mate.

See trailer <http://www.terramater.at/productions/david-attenboroughs-light-on-earth/> (lower right)

The same documentary under title **David Attenborough's Life on Earth** has been posted by production company Terra Mater, on Curiosity Stream <https://app.curiositystream.com/video/1571> a service with a 30-day free trial offer for non-subscribers. A multiple award winner at film festivals since its debut.

NOVA: Creatures of Light (2016) 53 min | DVD (\$19.99 as of April 2016)

Available through Shop PBS <http://www.shoppbs.org/product/index.jsp?productId=85850006>

Deep in the ocean, animals that flash, sparkle, and glow use light to survive in the dark. Originally aired February 3, 2016 on PBS.

LIGHT OF THE GENJI (2015) 9 min | Documentary Short

The Genji fireflies of Kyushu, Japan, and efforts to protect fireflies and their 'languages of light' from artificial night lighting. Home screening permits are available for 1-20 people, for \$30.

For more info on renting the DVD, see <http://www.brilliantdarknessmovie.com/screenings>

BRILLIANT DARKNESS: Hotaru in the Night (2015) 12 min | Documentary Short

Explores the importance of darkness, and erosion of it, through the study and preservation of firefly habitats in Japan and the United States. Fireflies disappear as artificial night lights disrupt their 'languages of light'. Artists and scientists on different continents work to understand firefly flash patterns and how to live among wildlife in urban settings. Appearing in the film: Rei Ohara, Dr. Nobuyoshi Ohba, Dr. Marc Branham, Dr. James Lloyd, Dr. James Karl Fischer, AIA, RIBA. Funded by the The Zoological Lighting Institute (<http://www.zoolighting.org/>).

See trailer <https://vimeo.com/ondemand/31980> Rent/download fees (\$4.99 - \$9.99).

Can't get enough fireflies? Try PAFF's curated list for VIDEOS ONLINE. One of our favorites is from noted firefly photographer Radim Schreiber: vimeo.com/137033684 – with more still at FireflyExperience.org .