

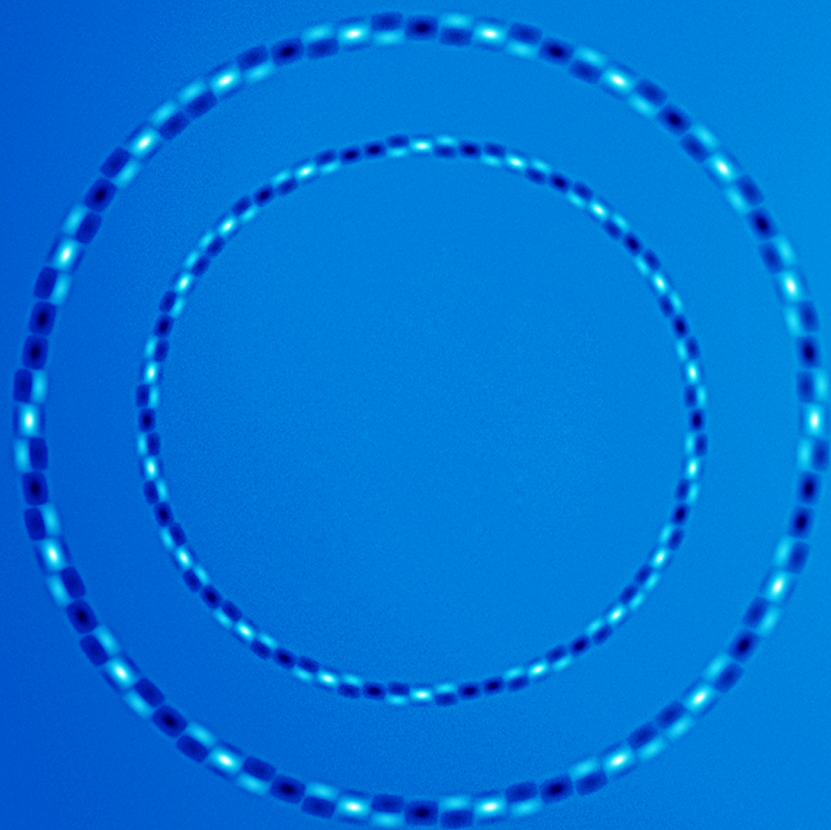


MERCURY BAY OPTOMETRIST EYE TIMES

ISSUE 27

... IT'S BACK!..

THE EYE TIMES OPTICAL ILLUSION

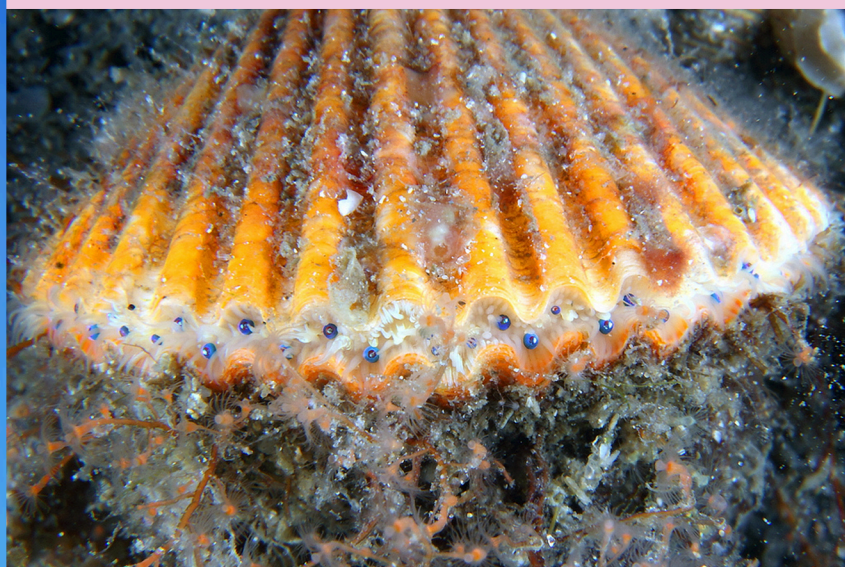


Do you see two perfectly round circles?

You should do - because they are there -
if not, perhaps you should visit Mercury Bay Optometrist!

SCALLOPS HAVE EYES!

Not only do they have eyes, they have dozens of them along the edges of their shell openings. And the weirdest part? In some species like the bay scallop, the eyes are the prettiest blue colour. Each of these eyes has a tapeta, which is a biological mirror that sits on the back of the retina. The tapetum bounces light back through retina, allowing the photoreceptors in animals like cats and raccoons a second shot at capturing more light, which is key for seeing in very dim conditions. In scallops, however, the tapeta go above and beyond what they tend to do in other species. They're actually used to focus light, instead of a lens. The Scallop is one of only two cases in the animal kingdom where an animal has made a mirror of optical quality.



AGE-RELATED MACULAR DEGENERATION



MERCURY BAY OPTOMETRIST

28 Lee Street, Whitianga

Ph. (07) 866 5919

Artwork for Eyetimes
supplied by Ian Handricks

OCT Scans done by Brett Howes at Mercury Bay Optometrist