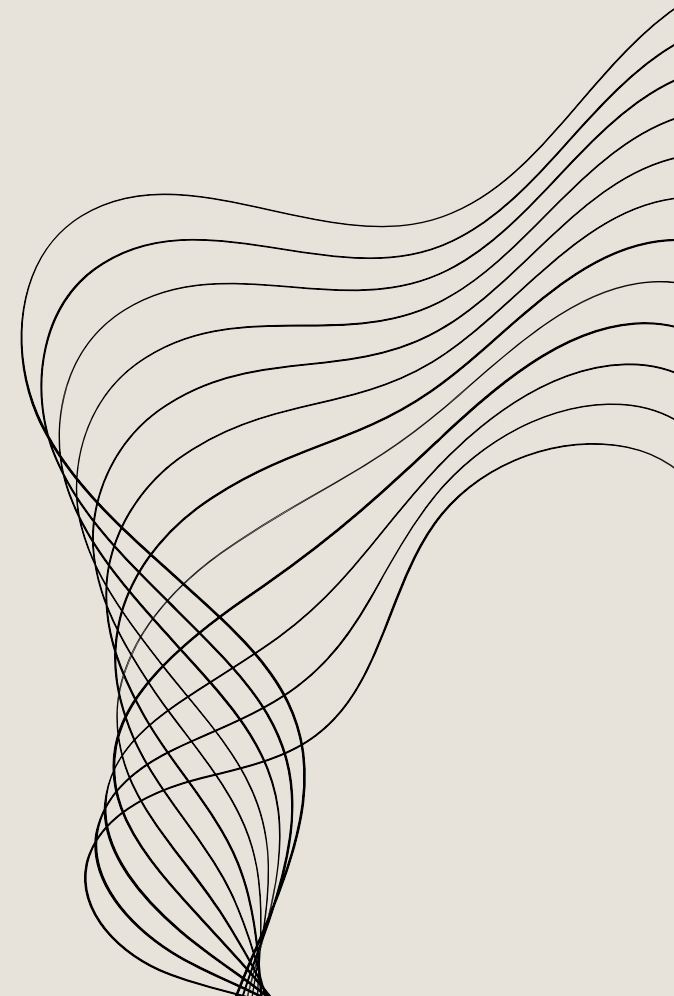


INFRARED TECHNOLOGY AND THERMAL CAMERAS: HOW THEY WORK



summary

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THE DISCOVERY

02

WHAT IS INFRARED RADIATION

03

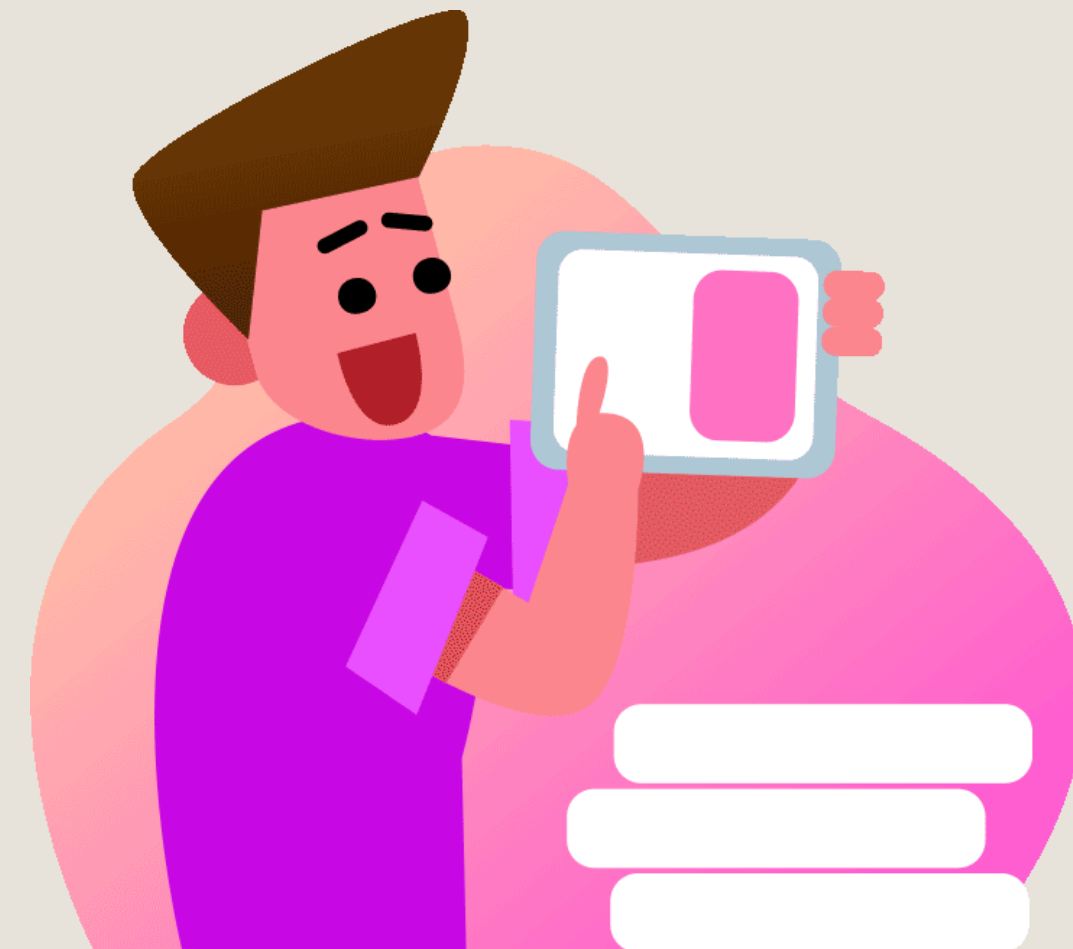
THERMAL DETECTION : THE
PRINCIPLE

04

WHAT IS AN INFRARED CAMERA
USED FOR

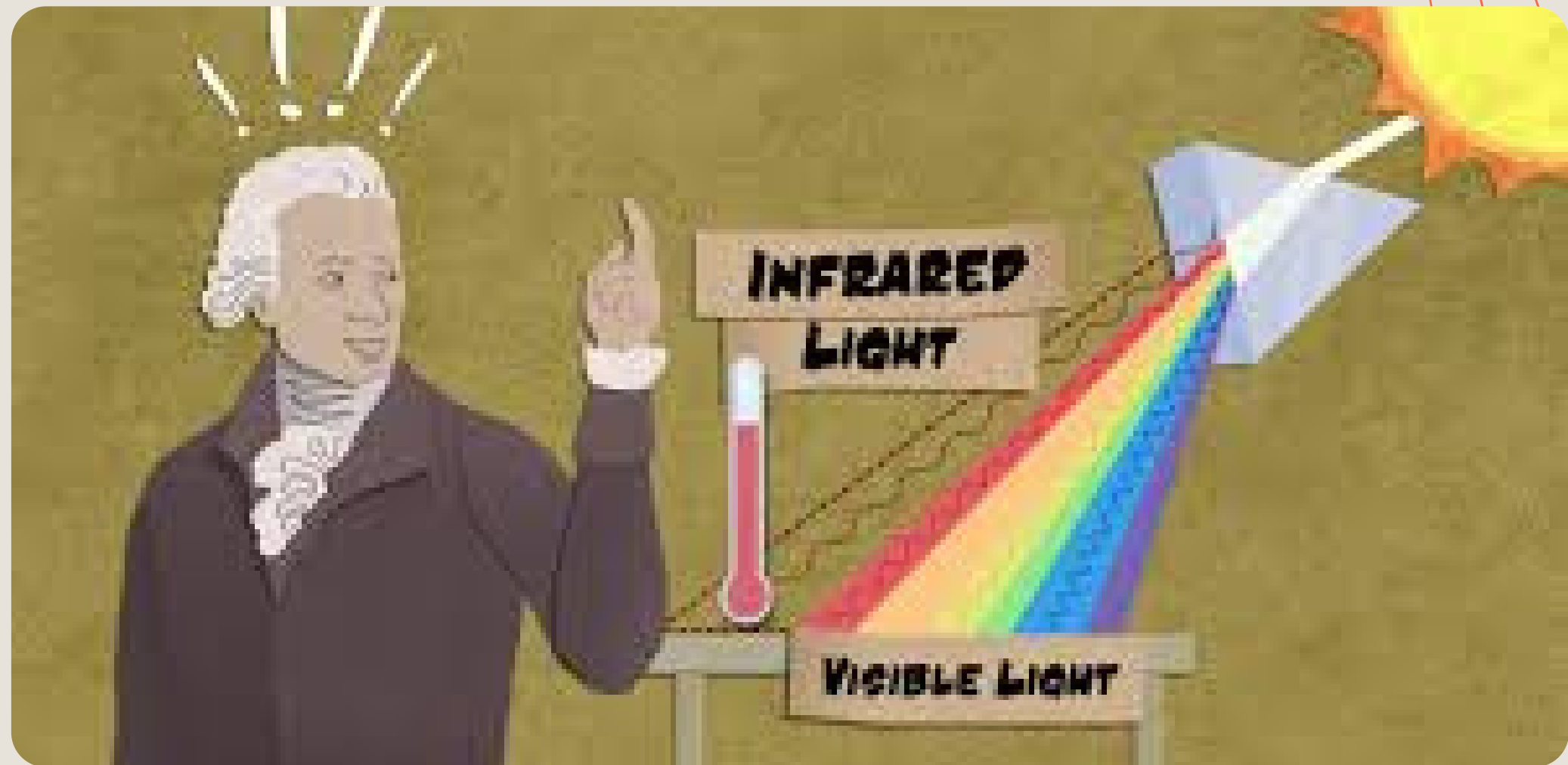
05

SOURCES



THE DISCOVERY

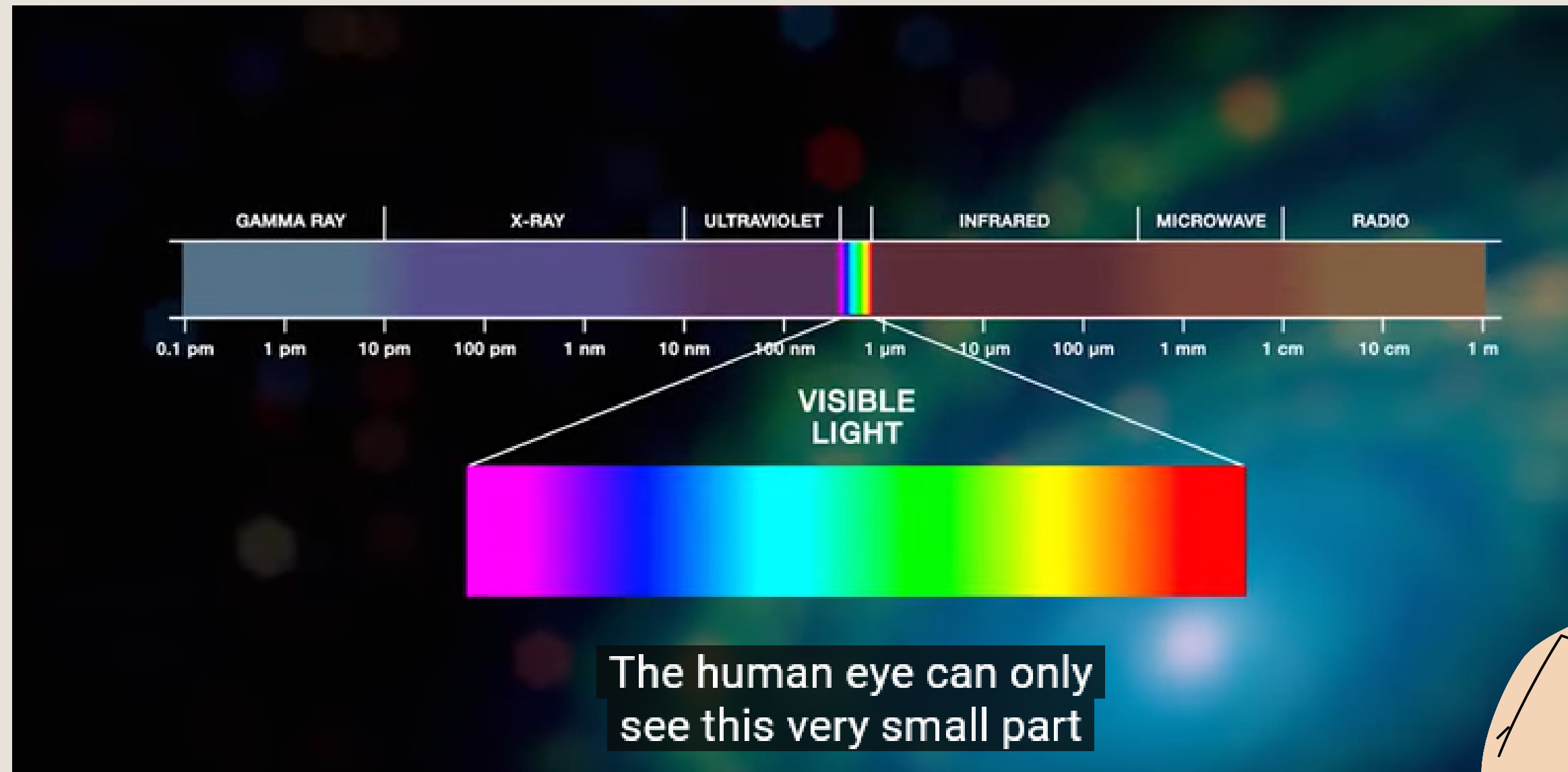
William Herschel



1800

WHAT IS INFRARED RADIATION ?

Electromagnetic
radiation



THERMAL DETECTION: THE PRINCIPLE



infrared radiation
↪ thermal energy

electronic signal

Thermography

colors

sensors



WHAT ARE INFRARED CAMERAS USED FOR?

medical
professionals

veterinarians

hunters

building inspectors

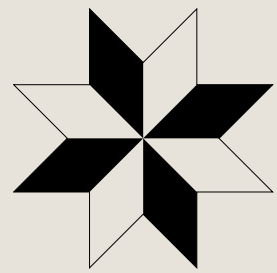
electricians

photographers

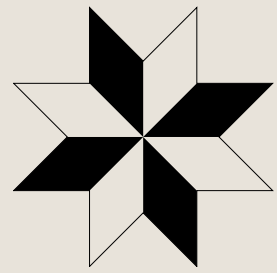
law enforcement
officers



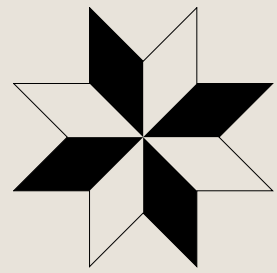
Sources



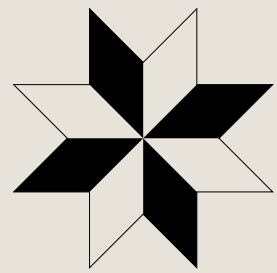
americanscientist.org



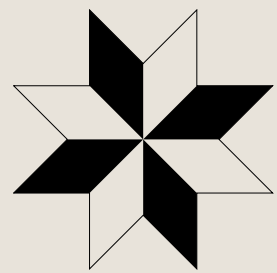
Nasa Jet Propulsion Laboratory



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